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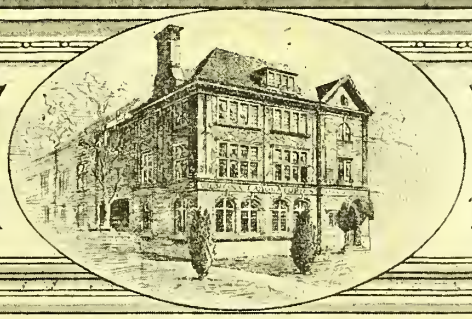

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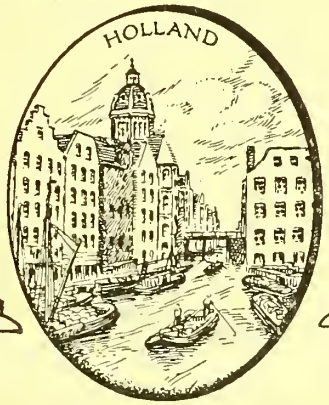

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Warehouses and Stores: 91 & 93 BISHOPSGATE, and 12 WORMWOOD STREET, E.C.

ESTABLISHED 1845.

WAXES OF EVERY KNOWN KIND and FOR EVERY PURPOSE.

Telephones: London Wall 9397 & 9398. Telegrams: "Waxiness, Led, London."

NOW READY Copyright.

SALES REGISTERS FOR COCAINE AND OPIUM

Each for 480 entries. Size 8 × 6¼ in.
Containing 40 pages, 12 entries on a page.

A separate Register for each drug, in conformity with Government Regulations, 1916.

Price 1/6 each; Post free 1/9.

SUTTLEY & SILVERLOCK, Ltd.

Blackfriars Road, London, S.E.

About Beards

A fine of twenty shillings was the penalty imposed by the Inner Temple benchers in 1555 for "wearying beardes of more than three weekes' growthe."

The "Black Books" of Lincoln's Inn of the 16th Century are full of references to offenders who were "fyned double comens durynge such tyme as they shall have any berde." This proving ineffective, a whole batch of bearded barristers was, in 1554, "banysshed from ye Howse," and shortly after a judge's order was obtained for the compulsory shaving of some of the members.

. . .

The late Vice-Chancellor Bacon carried his dislike for the unshaved barrister so far that he always refused to listen to bearded or moustached counsel, pretending that he could not hear them.

In the Army at the present day there is no surer way of incurring "Seven days' C.B." than to neglect to shave. Only the upper lip is to bear hirsute evidence of what might have been.

. . .

Men who do not depend upon the barber for their morning toilet—their number is legion—devote considerable care to the selection of a razor. They know that their purchase is going to serve them not for months but for years. If the purchase is to form a gift, then the customer will be more particular than ever to make certain that he has got the right thing.

. . .

If a safety razor is required, then the "Invincible" is *right* in every way. The "Invincible" comprises a series of ten models, as follows:—Nos. 1, 12/-; 2, 36/-; 3, 48/-; 4, 36/-; 5, 39/-; 6, 60/-; 7 (for pocket), 15/-; 8 (for pocket), 21/-; 9 (for pocket), 27/-; 10, 90/- dozen.

The "Invincible" meets all requirements in price and quality. It is the *safe* line in safeties.

Capsule

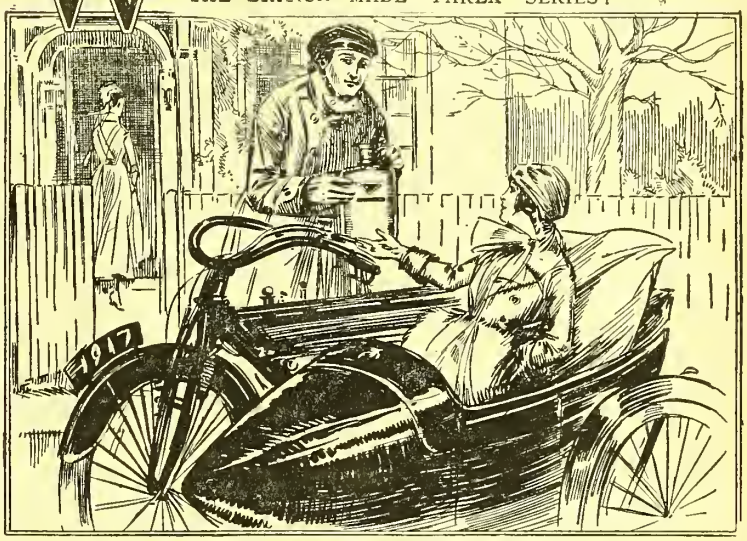
Maw's Page

S. MAW, SON & SONS. (G.P.O. BOX No 54) 7-12, ALDERSGATE ST. LONDON, E.C.

NUMBER 260 OCT. 7, 1916

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS

WINTER TIME IS 'PAREX' TIME FOR THOSE WHO APPRECIATE WARMTH AND COMFORT. WITH 14 SIZES TO SELECT FROM, WHAT BETTER SELECTION OF HOT WATER BOTTLES CAN YOU SHOW THAN THE BRITISH MADE 'PAREX' SERIES?



PAREX REGD CRÊME DE LUXE

THIS delicately perfumed vanishing cream keeps the skin soft and velvety, and is put up in 2 oz. fluted delf pots in art cartons.

10/5 DOZ.

The first "cold snap" will make customers for this choice toilet preparation. See that you are ready for them. 'Parex' Crême de Luxe is ready for *you*.

ITEMS

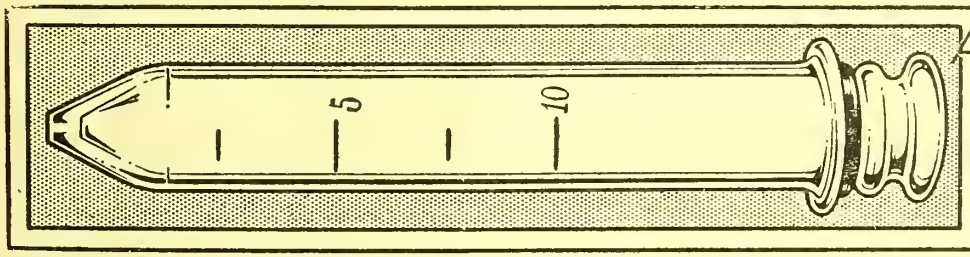
Every soldier likes "Active Service" Solidified Brilliantine. It is put up in screw-cap tins at 4/9 doz. A stimulating dressing for the hair. Showcard free.

. . .

Have you had your samples of "Velfin" Rubber Sheetings? From 2/3 to 6/8 yard; in single and double faced drab and special red sheetings.

. . .

Note these prices of Maw's "Atlas" Foot Support. Ladies' and gents, 4/- pair. Half lengths: Ladies', 3/3 pair; gents, 3/9 pair.



ALL GLASS

A good urethral syringe. Clearly marked in red graduations up to 10 c.c. Each in box. (Actual size.)

12/ DOZ.

TELEPHONE: CITY 7 (PRIVATE BRANCH EXCHANGE). TELEGRAMS: "ELEVEN CENT LONDON."

THE DIGESTIVE FERMENTS CO.

DETROIT, U.S.A.

BACTOPEPTONE

Acknowledged to be the best and most reliable Peptone for Bacteriological use.

DIASTASE	HÆMOGLOBIN
PANCREATIN	OX GALL
PEPSIN	SODIUM CHOLATE
TRYPSIN	,, GLYCOCHOLATE

ORGANO-THERAPEUTIC PRODUCTS
OVARIAN, THYMUS & THYROID SUBSTANCES, &c.

Address inquiries, orders, &c., to

MAY & BAKER, LTD., BATTERSEA, LONDON, S.W.

A. MILLAR & CO., LTD., DUBLIN

PURE ORANGE WINE

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only)

London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.

ROLL FILMS DEVELOPED

AND DESPATCHED DAY AFTER RECEIPT.

Express Developing Co.,
86, High St., Whitechapel, E.C.

Speciality: Chemists' Enlargements and ALL Practical Photographic Work.

Contact Prints. Coloured Miniatures. Post Cards. Carbons.

Send for Price List of our Profitable Chemists' Side Lines.

PROTECTION

OF

RETAIL PRICES

IMPORTANT NOTICE TO THE TRADE.

Chemists and Druggists should make a careful note of the fact that the **FACE** Retail Prices of Antipon are now **3/-** and **5/-** per bottle, and that the Leading Retailers have signed an agreement undertaking not to retail Antipon under **2/8** and **4/6** per bottle.

It must be noted that on and after November 1, 1916, no Chemist or Druggist, etc., will be allowed to retail Antipon under these protected prices (**2/8** and **4/6** per bottle).

WHOLESALE PRICES TO BE INCREASED.

From November 1, 1916, the Wholesale Prices of Antipon will be increased, but all reasonable orders for delivery in October, 1916, will be accepted through your Wholesaler at old prices. No further notice will be issued to the Retail Trade.

ORDER NOW.

Antipon

REGD. TRADE MARK

27 STORE STREET, LONDON, W.C.

Sanaphos.

(T.M. Regd.)

One of many recent testimonials proving Sanaphos to be the best of all Phosphated Milk Products.

"A few months ago I saw an advertisement of 'SANAPHOS." I was feeling very poorly and run down at the time. I could not eat or sleep and the least little noise would send my nerve all of a wreck. I sent to you for a sample of 'SANAPHOS.' I was so pleased with it I bought some and have been doing so ever since.

I feel a different woman since taking it. I look forward to my meals now and enjoy them, and I can go about my work without that tired feeling. I am 46 years of age, and I am advising my friends to try it as I have had so much benefit from it. I should like so much for every woman to try it, there are so many suffering as I used to, especially about my age, that I felt I had to write this to tell you."

Mrs. A. LEMIN, 18 Premier Street, Liverpool.

The fixed prices at which **Sanaphos** is sold show a net profit to the retail chemist of over 30 per cent. on selling price (over 40 per cent on cost.) The wholesale prices are:—**1/-** size, **8/6** per dozen; **1/6** size, **12/9** per dozen; **2/6** size, **21/-** per dozen; **5/-** size, **42/-** per dozen. **Sanaphos** is a reconstructive NERVE Food; Nutrient, Restorative and Activating. It is indicated in Mental and Physical Fatigue; Nervous Breakdown; Insomnia; and Neurasthenia. **Sanaphos** is an organically phosphated milk product, much superior to the German-owned article, and is prepared in England under strict scientific control. Chemists are invited to write for samples, showcards, and all particulars; and to send names of physicians, to whom we shall be pleased to send samples of **Sanaphos** and copies of numerous professional endorsements. Address: The British Milk Products Co., Ltd., 69 Mark Lane, London, E.C.

REGISTERED

JD SANTAL OIL CAPSULES

TRADE MARK.

ON THE P.A.T.A.

24 × 10 m. Capsules in each box.

18/-per doz.

Minimum Retail - 2/6 per box.

Only the finest quality Oil of Sandalwood from East Indian Wood with a guaranteed Santalol content of 94/95 % is used in the manufacture of these Capsules.

Sole Manufacturers:—

JULES DENOUAL & CO.,

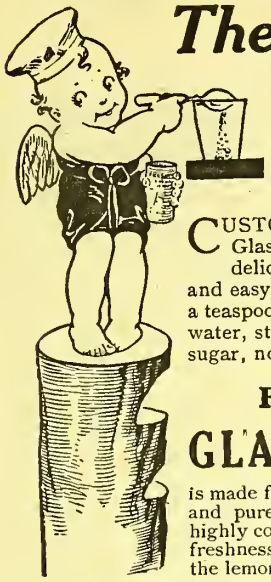
Carlton Works, Asylum Road, LONDON, S.E.

GENTIAN

Whole Roots
Fresh & Dry.

GENTIAN POWDER

GIGNOUX FRÈRES & CO.,
Dealers, Growers,
DÉCINES, près Lyon,
France.



The top-notch SUMMER DRINK

CUSTOMERS ask for Freemans Glass-Lemon because it is so delicious, refreshing, economical and easy to make. You simply put a teaspoonful into a tumbler, fill with water, stir, and there you are. No sugar, no hot water, no bother.

FREEMANS

GLASS - LEMON

is made from the finest Messina lemons and pure cane sugar, reduced to a highly concentrated powder full of the freshness and revivifying qualities of the lemons. A ready seller that customers recommend. Profit by its thriftiness and thrive upon its profits.

NO ADDED SUGAR NECESSARY.

To retail in 7½d., 1/3, 2/6, and 10/- Canisters.

Full particulars from
THE WATFORD MFG. CO., LTD.
Proprietors of Freemans Table Dainties, Vi-Cocoa & Boisseliers (Bov-sel-e-a) Chocolates.
VICTORIA WORKS, WATFORD.

Freemans TABLE DELICACIES Watford

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants, Manufacturing Chemists

HULL

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	7½d.	5/-
* " " " " "	1/2	10/-
* " " " " bottles in cartons	1/6	12/-

Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema 1/6 12/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

Don't Wait

to be asked for Sanatogen.

To reply "We do not supply goods of German origin and ownership, but here is something else," is a less advantageous position than to have already offered an article shown by analysis on the packet to be identical with Sanatogen (except that it is actually richer in phosphorus) and one which is incomparably better in flavour.

Make a Window Show of

Sanagen
THE BRITISH NERVE FOOD

Liberal allowance in goods through your wholesale house.

Your window will enable you to supply the demand which is being created by systematic circularisation of doctors, by large advertising in the daily press, by the sterling merit of the article, and by its agreeable flavour.

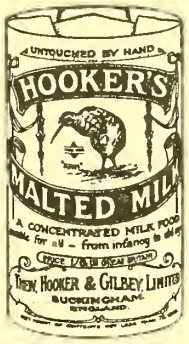
Generous protected profit. Sanagen is stocked by all Wholesale houses. For terms, printed matter and showcards apply to

Casein Ltd., Culvert Works, Sheepcote Lane, Battersea, London, S.W.

HOOKER'S MALTED MILK

"A complete food." — *Lancet.*

SELLS ENTIRELY ON MERIT.



There is no Higher Quality or Better Value

BRITISH MADE & BRITISH OWNED

DEMAND RAPIDLY INCREASING.

LARGE PROFITS TO SELLERS.

PRICES AND TERMS FROM

THEW, HOOKER & GILBEY, LTD., BUCKINGHAM.

THE FRENCH NATURAL MINERAL — WATER. —

VICHY-CÉLESTINS

DISORDERS of the LIVER, GOUT,

Diabetes, Rheumatism, Gravel, &c.

VICHY-ETAT PASTILLES.

Two or three Pastilles after each meal facilitate Digestion.

CAUTION.—Each Bottle from the STATE SPRINGS bears a neck label with the words "VICHY-ETAT" and the name of the SOLE AGENTS: INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.

PROPERTY OF THE FRENCH GOVERNMENT.

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF 1916 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.

Now is the time to order

Owbridge's

The Original Lung Tonic.

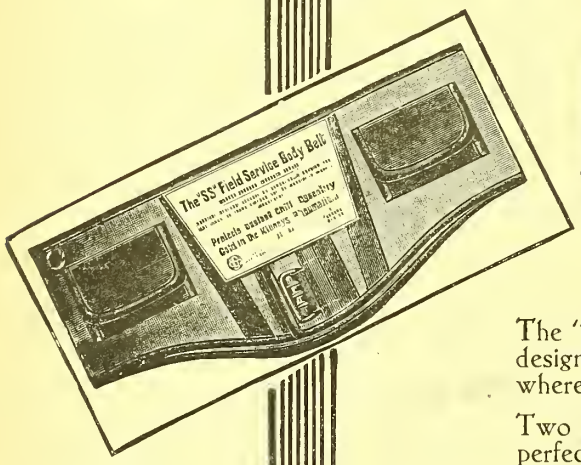
It always PAYS to stock this well-known article.

The public demand is greater than ever.

W. T. OWBRIDGE, Ltd., The Laboratory, HULL.

The S.S. Field Service

BODY BELT



The "S.S." Field Service Belt is specially designed to give warmth and support where it is most needed.

Two powerful spring buckles give a perfect grip, while the invisible whalebone supports prevent slipping and wrinkling, making the belt most comfortable to wear.

In sizes 30 to 40 inches from end to end of material, and made from natural flannel, lined, one of the four patterns is sure to suit your customer.

With or without leather-lined safety pockets, each of which is fitted with strong push-button.

No. 8 - - - - -	each	2/0
No. 8a, without pockets - -	"	1/6
No. 9, special for Officers, finest felt, lined natural flannel, with pockets - -	"	2/9
No. 9a, without pockets - -	"	2/3

Sangers

258 Euston Road, LONDON, N.W.

PRESCRIBED FOR MEMBERS OF THE ROYAL FAMILY

SUPPLIED TO HER MAJESTY QUEEN MARY'S ROYAL NAVAL HOSPITAL
ALSO TO HER ROYAL HIGHNESS THE PRINCESS LOUISE'S HOSPITAL
THE ALLIES' HOSPITAL (Hopital de l'Alliance), YVETOT, FRANCE
THE BRITISH RED CROSS SOCIETY'S HOSPITALS, etc.

Unsurpassable reputation for genuineness. Never claims to do more than it can accomplish.

Over a quarter of a century of uninterrupted success as a specialised preparation.

KUTNOW'S POWDER

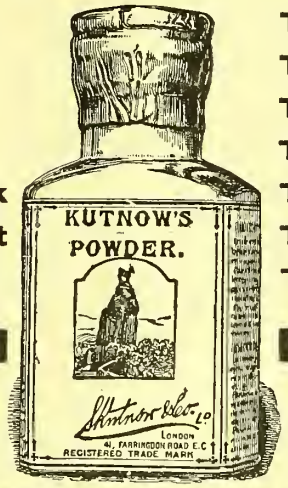
For Liver, Kidneys & Bowels.

THE FAMOUS BRITISH REMEDY

MADE IN ENGLAND ONLY

THE POWDER—BOTTLES—CAPSULES—LABELS ALL MADE IN ENGLAND

It is on the P.A.T.A.
It is well advertised
It is very popular
It is a good article
It is never dead stock
It yields a good profit
It satisfies everybody



The Doctors prescribe it
The Nurses recommend it
The Public appreciate it
The Customer comes again
The demand is constant
The sales are increasing
The trade is progressive

ORDER AT ONCE FROM YOUR WHOLESALE HOUSE

WINDOW SHOWS ATTRACT REMUNERATIVE BUSINESS

IMPORTANT NOTICE.

Hospital War Service

— FREE OF CHARGE —

DOCTORS, NURSES & HOSPITALS

are invited to apply at once for special Physicians' Sample Bottles of Kutnow's Powder, for the use of the sick and wounded both at the front and at home. All applications will be dealt with promptly and supplies forwarded immediately, carriage paid. Applications to be made by letter, and should be marked

"HOSPITAL WAR SERVICE,"

and addressed to

Messrs. S. KUTNOW & Co., Ltd.

41 Farringdon Road, London, E.C.

PERSONAL NOTICE.

Showcards and Bills

— SEND THIS COUPON —

To **S. KUTNOW & CO., Ltd.,**
41 Farringdon Road, London, E.C.

Please send me Showcards and Counter Bills, carriage paid.

NAME.....

ADDRESS .....

.....

"Chemist & Druggist," Oct 7, 1916.

Fill in, cut out, and post in open envelope, affix ½d. stamp.

S. KUTNOW & CO., LTD., Sole Proprietors,
41 Farringdon Road, London, E.C.

This Attractive Window Scheme is FREE.

READ THE DETAILS BELOW.

AIR Pillows are wanted by the Troops. They are asking for them. The demand is on the increase. The sources of supply are limited, therefore make a well-directed effort to secure the whole of the business in your town.

Chemists all over the country are selling thousands. Why not you?

With each order for Air Pillows we will send a complete set of cards for making a Special Air Window Display—**FREE.**

No. 1 Quality.—**13/-** per doz.; 3 doz. lots, **12/6** per doz.; 6 doz. lots, **12/-** per doz.
No. 2 Quality.—**10/6** per doz.; 6 doz. lots, **10/-** per doz.; 1 gross lots, **9/6** per doz., carriage paid.
Large size, retail, **2/9**; **21/-** per doz.

A Recent Testimonial from a satisfied "Chemist and Druggist" Subscriber:—

"It might interest you to know that the other Saturday I sold 3 dozen in *three hours* during the evening, bringing up a total of 4½ dozen for the day."

Supplies, which come from Japan, are limited. **Send in your Order NOW.**

LLOYD'S, 60 Tennyson Rd., Small Heath, BIRMINGHAM.

Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow and golden, for pharmaceutical purposes.

MANUFACTURED SOLELY BY

The Dee Oil Company, Ltd.

Delta Works . Bootle . Liverpool.

Packed in barrels, kegs, and smaller packages according to requirements.

Inquiries are solicited for this article of **BRITISH MANUFACTURE,** and buyers may rely that for quality and price it will meet any competition.

Other Grades

Petroleum Jellies, White Bases, &c.

Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema.

'Phone: 186 Bootle. Wires: "Cestrian Liverpool."

We are Headquarters for

WAXES PETROLEUM JELLIES AND WHITE OILS

SEND YOUR INQUIRIES TO US:—

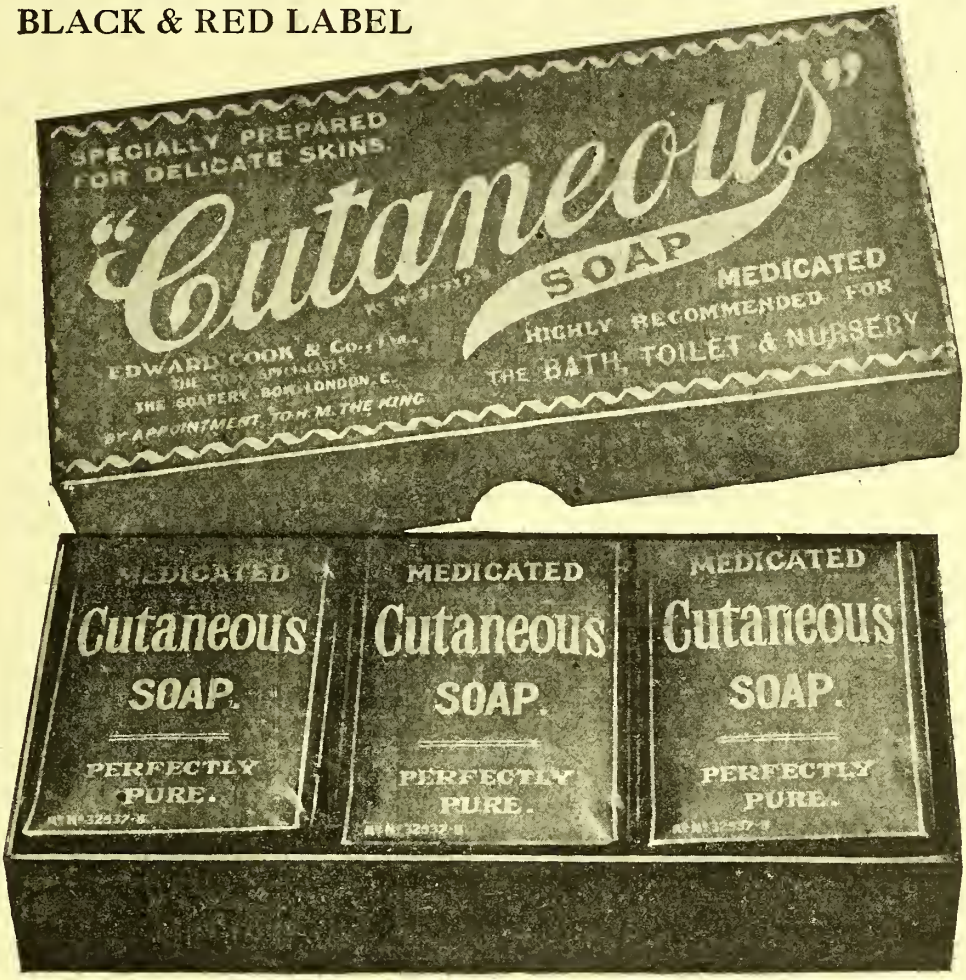
J. J. Franses & Sons,

80a Southwark Street

LONDON, :: S.E.

THE LATEST!

BLACK & RED LABEL



Wholesale **1/6** per 3 tab. box. Retail **9d.** per tab., minimum.

Cook's "CUTANEOUS," Black and White Label, has for years enjoyed a well-deserved popularity, and we now recommend the Medicated quality, Black and Red Label, to you with every confidence. It is a sure seller.

EDWARD COOK & CO., LTD.

The Soapery, BOW, LONDON, E.

RECOMMEND THE PROTECTED BRAND

AND SUPPORT THOSE WHO SUPPORT YOU. IT PAYS YOU TO PUSH THIS INK IN PREFERENCE TO NON-PROTECTED MAKES. IT IS NOT ONLY THE BEST, BUT SHOWS YOU THE MOST PROFIT.

ASSURED MINIMUM PROFIT 33⅓%

JOHN BOND'S "CRYSTAL PALACE" MARKING INK.

FIXED SELLING PRICES

With or without heating, whichever kind is preferred.
Please specify when ordering.

As supplied to the Royal Households, and awarded forty-five Gold Medals, etc.

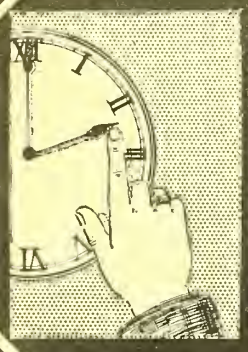
"THE ANTI-CUTTING RECORD" says:—"We are strongly of opinion that John Bond's 'Crystal Palace' Marking Ink should not only be kept in stock, but, in common fairness to the Proprietor, distributors may justly give this well-known line all the display, recommendation and push in their power."

MANUFACTORY, 75 SOUTHGATE ROAD, LONDON, N.

FINEST QUALITY
MILK POWDER. CASEIN.
Inquiries and Orders Solicited.
PRIDEAUX'S LTD., DEPT. C, MOTCOMBE, DORSET.
LONDON OFFICE:
10 HOP EXCHANGE, Southwark Street, S.E.

ALL CHEMISTS SHOULD STOCK **ABDINE**
THE GOLD MEDAL FRUIT DRINK.
Quick Seller. Big Profits. Quarter of a Century's Reputation.
"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in Packets, 2 for 2½d.; Boxes of 13 Packets 1/3.
Order through your Wholesale Drug House.
D. M'CLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH.
Wholesale Prices on Application

DR. EVAN WILLIAMS'
ORIGINAL
A Business Vitalizer, something with Real Force behind it.
Apply for Descriptive Price List and Trade Terms,
289, OXFORD ST LONDON, W.
HENNA SHAMPOO



Using old-fashioned bottle cappings, such as paper, split skins, &c., is putting the clock back. Those who have tested
SEMREH
SELF-FIXING BOTTLE CAPS
know that they save both time and trouble. Let us post you details.
THE VISCOSE Development Co., Ltd., BROMLEY, KENT.

WM. H. BOWDLEAR
Formerly of the W. H. BOWDLEAR CO.
respectfully solicits business from any and all former correspondents, either on a commission basis or otherwise.
CRUDE REFINED and BLEACHED **BEESWAX**
Quotations given in £ sterling, per cwt.
220 DEVONSHIRE STREET (Room 201a), BOSTON, MASS., U.S.A.

PRICE'S
New
Medicated Toilet Soap.

"CUTOLĀV"

A reliable Antiseptic.
Fragrant and refreshing.
Recommended for Toilet or Nursery use.

Retail Price,

Per **7½d.** Tablet,

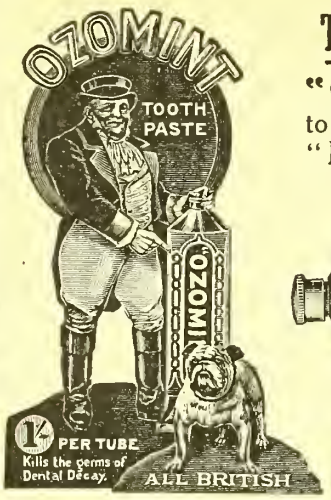
which shows an attractive profit.

QUOTATION ON APPLICATION TO

PRICE'S

BELMONT WORKS, BATTERSEA,
LONDON, S.W.

NOTE.—Quotations given for Medicated Toilet Soaps under Chemist's own die and printing. Neat and appropriate wrappers and labels available.



THE NEW TOOTH PASTE.

"OZOMINT" has been produced to replace the German Tooth Paste "PEBECO," which is now practically unobtainable.

DO YOU STOCK IT? **NOW** is the time to push.

EACH TUBE PACKED IN A SEPARATE CARTON, 12 CARTONS IN ATTRACTIVE CARDBOARD OUTER.

Free Handsome Showcards (as illustrated) with Orders for 1 dozen.

Price 7/6 per dozen tubes.

CUXSON, GERRARD & CO., Ltd., OLDBURY.

Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO.
LIVERPOOL - - - MANCHESTER

F. M. RUDD,
Bronson,
MICHIGAN,
U.S.A

GENUINE AMERICAN
PEPPERMINT OIL
"Columbia" Natural
"Diamond White"
Re-distilled.
Finest qualities for Druggists, Distillers and Confectioners.
Sole Consignees in United Kingdom—
R. W. GREEFF & CO.
Thames House,
Queen St. Place, LONDON, E.C.

Cable Address: "BURNSIDE." Code: A B C, 5th Edition.
EUCALYPTUS OIL, Rectified
Eucalyptol content 70 to 80%
Optical rotation .... 0 to 1
Specific Gravity .... ·919 to ·928
ABSOLUTELY FREE FROM PHELLANDRENE.
Quotations by cable. Wholesale trade only.
BURNSIDE & COMPANY
EUCALYPTUS OIL DISTILLERS,
EAGLEHAWK, VICTORIA, AUSTRALIA.

MAGNUS, MABEE & REYNARD, Inc.
257 Pearl Street,
Cable Address— "MAGLAUR." New York City, U.S.A.
Importers and Manufacturers.
ESSENTIAL OILS,
VANILLA BEANS,
DRUGS & CHEMICALS.
We offer for sale—
Oil Peppermint, American
,, Spearmint
,, Birch (Wintergreen)
,, Wintergreen Leaf
,, Cedarwood
,, Limes, Distilled
,, ,, H.P.
Oil Sassafras, Natural
,, ,, Artificial
,, Wormseed, Baltimore
,, Wormwood, American
,, Sandalwood, W.I.
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STRATFORD. LONDON. E.
Distillers and direct
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ESSENCES,
SYNTHETIC PERFUMES, &c.
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Terpeneless Oil of Lemon,
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specialise in the manufacture of the following articles at the lowest prices :

Shaving Stick Cases

Oval and Round Tops

for Powder Tins, Cruets, Dredgers, etc.

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for Dentifrices, Soap Tablets, etc.

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in any of the following metals : Brass, Copper, or White-metal (nickel or silver - plated), Aluminium and Jewellers' Metal (Tombac).

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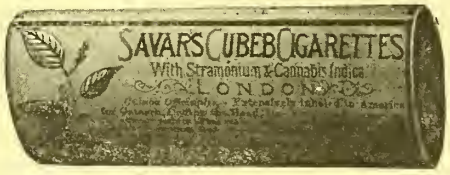

A genuine relief in cases of Asthma, Catarrh and all Throat Coughs.

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1/- and 2/6 boxes, minimum retail 11d. and 2/3

8/6 and 20/- per dozen net.

A really artistic showcard sent free on application.

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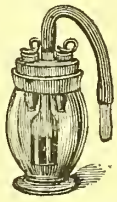

Loss of Voice, Throat Affections, Hay Asthma.

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WHOLESALE ONLY. Established 1901.

Surgical Dressings, Absorbent Lints, Bandages, Gauzes, &c.

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Finest Norwegian Medicinal Non - Freezing

COD LIVER OIL

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Blades and Cases. 36 Varieties.

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GOOD PROFITS are made by selling **TITTERTON'S CELEBRATED BRUSHES** *(Hair, Tooth, Nail & Shaving Brushes).*

They have a world-wide reputation for excellence of quality, and perfection of workmanship. Should be stocked by all Chemists desiring to give the public the best value for money.

Illustrated Catalogue on application.

TITTERTON & HOWARD,
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PROFITABLE SELLERS FOR PRESENT SEASON.

A1 MENTHOL SNUFF (in Oak Design Tin)
P.A.T.A. 3½d., 2/1 doz.; 6 doz., 1/10; 1 gross, 20/6.

A1 VIOLET COLD CREAM
1½d. Tins, 13/- gross; 3d. Tins in carton, 2/- doz.

COLD CREAM (in Tubes)
Quality 1. 3/-, 3/6 and 5/6 doz. In Bulk, 1/2 lb. Best Quality.
" 2. 2/9, 3/3 and 4/9 " " " 9d. lb. "M" "

TOILET LANOLINE (in Tubes)
2/9, 3/3 and 4/9 doz.

BROMPTON LOZENGES
In Decorated Hinged Tins, 2/9 and 4/- doz.

FORMALIN AND MINT TOOTH PASTE
In Collapsible Tubes, each in a carton, 4/- doz.

THYMOL TOOTH PASTE ... " "

WHITECROSS TOOTH POWDER (Two Sizes)
Small, 3/- doz.; 3 doz. 2/9; 6 doz. 2/6; 1 gross 27/-
Large, 4/- " 3 " 3/9 6 " 3/6 1 " 39/-

This is a splendid selling line, having received the Certificate of Merit from the Institute of Hygiene.

PRIMROSE TABLETS
A very fast selling 1d. line for Winter, 8/- gross.

TRENCH POMADE
Each in carton, 3/- doz.; 6 doz. 2/9; 1 gross 30/-

Tin Boxes in variety for Ointments, Lozenges, "Vaseline" Cold Cream, Camphor Ice, etc. etc.

SPECIAL QUOTATIONS FOR QUANTITIES.

SHIRLEY BROTHERS, LIMITED,
Whitecross Works, London, S.E.

NOW IS THE SEASON FOR COUGHS AND COLDS NOW IS THE TIME TO STOCK

Licoricine

ACTS LIKE MAGIC

"LICORICINE" is an article of wonderful merit. Widespread recommendation and steady and persistent advertising ensure a rapidly increasing sale.

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The Minimum Prices are fixed at—

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Size.	Each.	Size.	Doz.
9d. at	9d.	9d. at	7/9
1/3 „	1/1½	1/3 „	11/6
2/9 „	2/6	2/9 „	25/-

Orders for £2 and upwards, Carriage Paid. Orders for £5 and upwards, subject to 5 per cent. discount.

MANDALL & CO. LTD.
Manufacturing Chemists,
STOCKTON-ON-TEES.

A powerful antiseptic and deodorant.

"PETAL DUST" REGD.

The greatest of all floral air-purifiers.

A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. "Petal Dust" has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

Retails in 3d. and 6d. packets

Attractive Showcards, Counter Bills, etc., with customer's name and address on each packet, for orders of 5 gross and upwards.

SOLE PROPRIETORS—

THE ROSMARINE MANUFACTURING COMPANY,
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CITY DEPOT: H. C. QUELCH & CO., LUDGATE SQUARE, LONDON, E.C.

SCIENTIA B&B Co DILIGENTIA

LYSOL

(SURGICAL ZOTAL)

The Ideal Germicide & Antiseptic.

Burgoyne's Lysol is a pure cresol preparation containing fifty per cent. of absolute Cresylic Acid, and is perfectly neutral.

NON-CORROSIVE AND CLEANLY IN USE.

SUPPLIED TO THE LEADING HOSPITALS.

Packed in 4 oz., 8 oz., 16 oz., and 32 oz. Bottles.
With Aluminium Measure.

Burgoyne, Burbidges & Co.

Manufacturing Chemists, LTD.

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Telegrams: "Zotalene, 'Phone, LONDON."
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What Every Woman Wants!

TETLOW'S

'SWAN DOWN' FACE POWDER

"SWAN DOWN" enjoys the largest sale of any Face Powder in the World, and after 35 years on this market the demand grows every month.

EVERY WOMAN likes "SWAN DOWN" because it will not harm the most delicate complexion, is absolutely pure, and is effective and economical in use. She knows she might buy a much higher-priced article, but she will not get a better than "SWAN DOWN."

THE FAMILIAR "SWAN DOWN' BOX.

AN ADVANCE IN PRICE

has been necessitated owing to increased cost of materials and production and the paramount importance of maintaining the

STANDARD OF QUALITY.

74/- per Gross.

Bonus of 2 dozen with each gross.

Minimum Retail Price, 7½d. per box.

P.A.T.A.

Profit, 29/- per gross.

In Five Tints: White, Cream, Pink, Flesh & Brunette.

SWAN DOWN" will be liberally advertised in the Press during the next twelve months, and its uses and quality will be introduced to several millions of ladies every month.

SECURE YOUR SHARE OF THE DEMAND

by ordering adequate stocks. Remember that every customer you make for "SWAN DOWN" is a satisfied and permanent one.

Let us send you Materials for Window Show Display—Showcards, Handbills, and other Advertising Matter.

HENRY C. QUELCH & Co

Ludgate Square E.C

Sept. 16, 1916

Why you should stock

TRADE MARK **'WELLCOME'** BRAND

Sera and Vaccines

BECAUSE the 'WELLCOME' Brand is recognised throughout the medical profession as the Hall Mark of reliability. The products are British-made according to the latest scientific methods at the Wellcome Physiological Research Laboratories, London. All products pass the most rigorous tests before being issued. A comprehensive series is prepared. Examples are:—

'WELLCOME' BRAND Concentrated Diphtheria Antitoxin

Supplied in hermetically-sealed phials as follows:—1000 units, **2/0**; 2000, **3/6**; 3000, **5/0**; 4000, **6/0**; 5000, **7/0**; 6000, **8/0**; and 8000, **10/0** per phial. Prices subject.

'WELLCOME' BRAND Typhoid Vaccines

'Wellcome' Brand Typhoid Vaccine is issued in three strengths:—500 million, 1000 million and 2000 million organisms per c.c. Supplied in hermetically-sealed phials of 1 c.c. at **2/6** each, and in rubber-capped bottles at **25/0** each.

'Wellcome' Brand Typhoid Vaccine, Mixed, is issued as follows.—

No. 1a—each c.c. containing 500 million *B. typhosus* and 375 million each of *B. paratyphosus* A and B.

No. 1b—Double the strength of No. 1a.

No. 2a—each c.c. containing 500 million *B. typhosus*, 375 million each of *B. paratyphosus* A and B, and 5000 million (= 2 mgm.) *V. choleræ*.

No. 2b—Double the strength of No. 2a.

Nos. 1a, 1b, 2a and 2b are each supplied in phials of 1 c.c. at **2/6** each, and in bottles of 25 c.c. at **25/0** each. Prices subject.

For Telegraphic Code, see B. W. & Co.'s Price List

Distributing Agents:

BURROUGHS WELLCOME & CO., LONDON

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SODII SULPHAS

"P.P.P."

WHETHER

"PEA" CRYST. or "FEATHERY" CRYST.

(1) is a brilliant white article, free from any yellow tinge, and will remain so ;

(2) dissolves in cold water—the "feathery" cryst. quite readily—to form a clear and clean solution which does not require filtration ;

(3) conforms to the stringent P.P.P. specifications as to freedom from lead and arsenic ;

(4) is free from chlorides ;

(5) is free from iron ;

(6) is warranted Pure for Pharmaceutical purposes ;

(7) is quite different from the crude grades of Glauber's Salts offered as "recryst."

AND IS GUARANTEED TO COMPLY WITH THE REQUIREMENTS OF THE B.P. 1914.

The British Drug Houses, Limited

22-30 Graham Street, City Rd., London, N.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of eighteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

Subscription Rates.
Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6*d.*; Summer or Winter Number, 1*s.*; *Diary* 3*s.* 6*d.* Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12*s.* 6*d.*, franco.

Цѣна годового абонемента: Газета еженедѣльно и Дневникъ разъ въ годъ 12 шиллинга 6 пенсъ съ пересылкой.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 12 ch. y 6 peniques, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C.
Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).
Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Coming Events.

Sunday, October 8.

Pharmacists' Volunteer Training Corps, Herne Hill entrance to Brockwell Park, at 10 A.M. Members unable to be present then should attend as soon as possible.

Monday, October 9.

Board of Control's Medicated-wine Order comes into force. [Each bottle must be labelled with the percentage of proof spirit that the wine contains.]

Tuesday, October 10.

Eastbourne Pharmacists' Association, 2A Terminus Buildings, at 9 P.M. Annual meeting.

Wednesday, October 11.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8 P.M. Discussion on Insurance Dispensing.

Manchester Pharmaceutical Association, Chess Club Rooms, 65 Market Street, at 3 P.M. Mr. W. J Uglow Woolcock on "Pharmaceutical Politics."

Thursday, October 12.

Western Pharmacists' Association, Restaurant Frascati, Oxford Street, London, W., at 9 P.M. Discussion on Insurance Dispensing, opened by Mr. E. T. Neathercoat.

Professor J. Norman Collie, F.R.S., Director of the Chemical Laboratories, University College, London, is to lecture on Tuesday, October 31, at 5.30 P.M., on "The Scientific Work of Sir William Ramsay."

European War News.

Contraband of War.

Orders in Council have been published making the following additions to the list of articles to be treated as absolute contraband: Fatty acids, cadmium, cadmium alloys, and cadmium ore, and albumen. The restriction as regards paraffin wax is extended to waxes of all kinds, and yeast is declared to be conditional contraband.

Prohibited Imports and Exports.

The Dutch East Indies.—The exportation of trinitrotoluol from the Dutch East Indies is prohibited, according to a decree of the Governor-General of June 27.

France has prohibited the exportation and re-exportation (after warehousing, transit, and transhipment, or under the "temporary importation" *régime*) of the following articles: Arrack, arsenical ores, asphalt, bitumen, and pitch, bituminous limestone, blacking, etc. (cirage), borax, boric acid and boron compounds, chromic acid, chromates and bichromates, cinnamon, cloves, fatty acids of all kinds, formic ether, glues of all kinds, and substances used for preparing them (casein, egg albumen and serum albumen, dried blood, dextrine and soluble starches, gelatin, glue and hide-glue, scraps of skins and of leathers, and animal waste), halogen compounds of carbon, lead wares of all kinds, metallic chlorides of all kinds, chlorides of metalloids, sodium, spermaceti, and varnish. Exceptions to this prohibition may be accorded under conditions to be laid down by the Minister of Finance. Two Decrees of the Minister of Finance, dated September 13, abrogate the provisions of the decrees of December 10, 1915, and February 12, 1916, in virtue of which bichromate of soda and tungsten ore were allowed to be exported from France, without special authorisation, when consigned to the United Kingdom, the British Dominions, Colonies, and Protectorates, and certain other countries.

Netherlands.—The exportation of coal-tar and coal-tar residues and lime in any form is prohibited from September 2.

Sweden.—The following articles have been added to the list of goods which are now prohibited for exportation from Sweden to all countries, and also in transit through Sweden: Animal charcoal, bone black, sealing-wax, copper and nickel ores, lunar caustic, marine and other glues.

United Kingdom.—The Foreign Office announces that no further licences will be issued in the United Kingdom or in British Possessions overseas for the exportation of vaseline to Denmark, casings to Denmark, rubber and balata manufactures to Holland, and powdered talc to Sweden until further notice. Privy Council licences will similarly not be accepted by the Customs as authority for shipment without a special authority from the War Trade Department. Holders of unexhausted licences should at once communicate with the War Trade Department stating the reasons for which they desire to receive such special authorisation. Molybdic acid and its salts have been placed in the "B" Class, which means that the export is prohibited to all ports and destinations abroad other than ports and destinations in British Possessions and Protectorates.—By an Order in Council, aluminium powder, manufactures of bone, horn, ivory, and celluloid have been added to the list of prohibited imports (except under licence).

Personalia.

Captain J. B. Parks, New Zealand Machine Gun Corps, son of Mr. Henry Parks, chemist and druggist, Meir (Staffs), has for the second time been wounded in action.

Sergeant Thomas Griffin, Westbourne Street, Liverpool, K.L.R., was wounded recently. He is in hospital at Portsmouth. He was employed at Clay, Dodd & Co., wholesale chemists, Liverpool.

Mr. Charles Chilvers Johnson, son of Mr. F. E. Johnson, F.C.S. (Chilvers Johnson & Co.), and a member of the firm, has been in the R.A.M.C. since the beginning of the war, and was in the Dardanelles. He has now been put in charge of the *x*-ray department of the Military Hospital at Poona.

Second-Lieutenant Huw Ifor Lloyd, son of Mr. Isaac T. Lloyd, pharmacist, 267 King's Road, Chelsea, is receiving the Military Cross for conspicuous gallantry during a raid on the enemy's trenches. During this raid all his men but one were injured in the enemy's wire, but Lloyd pushed through and succeeded in killing an enemy officer. He tried to remove the body, and only went back when definitely ordered to do so.

Miscellaneous.

Microscopes Wanted.—The Y.M.C.A., Tottenham Court Road, London, W., are organising a series of microscopical exhibitions in the military and naval camps, and

want microscopes. Any dispensing chemist who can help should write to that address.

Enemy Patents.—Levinstein, Ltd., Blackley, Manchester, are applying for the avoidance, suspension, or grant of a licence to use patent 17162/05 "Aminobenzoic acid alkamine esters and derivatives thereof" belonging to the Farbwerke vormals Meister, Lucius & Brüning. The hearing will be at the Patent Office, on October 13.—Mr. A. E. McCardell, Manchester, is applying for a licence to be vested in the custodian for patent application 100997 in the name of Henkel & Cie. This case will be heard on October 11.

Military Tribunals' Decisions.

Barnoldswick.—Two chemists appealed for the exemption of their assistants, both qualified, and their cases were supported by Alderman Dunn, who represented the Pharmaceutical Committee and the West Riding Insurance Committee. He said the principle had been adopted that any chemist who dispensed 3,000 prescriptions during 1915 should be supported when appealing for exemption. Both cases were adjourned till the end of November.

Bromley.—Three months' exemption was granted to P. A. Ward, with Goulder & Allen, and to H. Portlock, with Winton's Drug Co.

Forres.—Mr. Anderson, chemist and druggist, partner with Mr. A. Fraser, was granted conditional exemption.

Guildford.—Mr. G. R. Cox, chemist and druggist, manager for Long & Co., was conditionally exempted.

Lambeth.—Noticing that many young dispensers were recommended for exemption as indispensables, the Lambeth Tribunal drew the attention of the Pharmaceutical Committee and the Insurance Committee for the County of London to the fact that in certain of these cases where it is alleged that the services of men are indispensable to the pharmaceutical service of the borough, the men themselves are of no great age, and suggesting that every endeavour should be made to obtain the services of men ineligible for military service, or of women, in substitution of the young men referred to. At the meeting of the Tribunal on October 2 it was reported that the Insurance Committee had sent a reply promising not to schedule men under thirty-four years of age.—Mr. E. G. Price, Ph.C., applied for the exemption of his dispenser, and the case was adjourned so that the dispenser could submit to medical examination.—The Manbré Saccharine Co. applied for exemption of a number of their staff who are engaged in experiments for producing saccharin, the supply of which was formerly a Continental monopoly. All the cases were conditionally exempted except one.

Shoreditch.—On September 30, C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, E.C., appealed for a foreman and an excise clerk, but both were refused, and mention of the fact that another firm in the same line of business had secured total exemption for their carman had no effect on the Court.

Sheffield.—Mr. A. Knowles, chemist and druggist, appealed for his apprentice, L. Atkin, but was unsuccessful.

Southwark.—Boot's Pure Drug Co., Ltd., 80 Borough Road, S.E., applied for the exemption of an assistant in charge of stores from which the company was supplying the Army. He was granted three months' extension.—The Military Representative applied for the withdrawal of a certificate of conditional exemption granted a drug clerk three months ago employed by Boot's Pure Drug Co., Ltd. The grounds of the appeal were that the man had been passed as medically fit for general service. The certificate of conditional exemption was withdrawn and three months' extension granted.

Walthamstow.—Mr. E. W. Willcocks, chemist and druggist, appealed for an extension of the period of exemption granted to his brother, Percy Willcocks, who manages his High Street business. Applicant said he had been unable to replace him or to sell the business. The decision was deferred.

Worcester.—E. J. Kitson, Ltd., applied for the exemption of F. J. Newton, for whom exemption was granted until December 31.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Mr. T. P. Liggins, chemist and druggist, has purchased the pharmacy of Mr. H. G. Betts, Whitchurch, Hants.

Mr. F. W. Biggs, chemist and druggist, of Stourbridge, has removed to new premises at 18 Market Street.

R. W. Duck & Sons, chemists and druggists, 21 James Street, The Docks, Cardiff, have transferred their business to 7 James Street.

Mr. Alfred F. Scammell and Mr. Robert G. Scammell, sons of Mr. Luther R. Scammell, F.C.S., whose work on eucalyptus oil is well known, have become members of the firm of F. H. Faulding & Co., Adelaide.

Mr. Maurice Smith, J.P., Ph.C., has disposed of his retail business at Vicar Street, Kidderminster, to his former manager, Mr. G. M. Jones, Ph.C. This establishment was originally opened by Perrins & Co., afterwards

The old Lea & Perrins Pharmacy.

Lea & Perrins, of sauce fame, about a century ago. It was afterwards acquired by Mr. Charles Hodgkinson, Ph.C., who finally went into the wholesale drug-trade, his firm, Hodgkinsons, Clarke & Ward, merging into The British Drug Houses, Ltd. Mr. Claudius Julian succeeded Mr. Hodgkinson for about five years, when he also retired from the retail and carried on a lucrative wholesale drysaltery business. Morgan & Lawley then acquired the business at Vicar Street, and carried it on successfully for about forty years. On their retirement Mr. Smith assumed the proprietorship in February 1909, and now, following the traditions of his earlier predecessors, has relinquished the retail and intends to devote his whole time to the wholesale business at Church Street, Kidderminster, which he established some few years ago. Mr. G. M. Jones is a native of Wellington, Salop. He was apprenticed with Hedges, Ltd., Birmingham, afterwards took up an appointment with Burroughs Wellcome & Co. at Dartford, and passed the Minor in April 1893, then the Major three months later. He went to Canada, where he obtained the Canadian qualifications.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

Qualitative Analysis for Junior Students.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture. Students' applications for portions of the mixture of salts (accompanied by *a stamped and addressed envelope*, marked "Corner for Students" on the top left-hand corner) will be received up to Tuesday, October 10, on which day the samples will be posted. Students' reports will be received up to Saturday, October 21. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

Special Notice.—The prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, *which fact must be attested on their reports.* Others may obtain specimens of the mixture of salts, and their reports will be separately adjudicated, but they will be regarded as *hors concours.* Correspondents who do not state that they are preparing for a qualifying examination will be included in the latter list.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Contracts.

The following is a list of tenders accepted since our last issue by Boards of Guardians and other public bodies:

Aberystwyth.—McDougall Bros., for disinfectants.

Blean.—A. Lander, Canterbury, for drugs.

Brentford.—Middleton Bros., for disinfectants, 99*l.* 19*s.* 4*d.*; Oxo, Ltd., for meat-extract, 3*s.* 5*d.* lb., 256*l.* 4*s.*; A. E. Moore, for virol, 13*s.* 6*d.* gal., 8*l.* 2*s.*; T. B. Rowe & Co., for soap, 34*s.* 3*d.* cwt., 65*l.* 1*s.* 5*d.*

Brighton.—Corbyn, Stacey & Co., Ltd., drugs and sundries at schedule prices, subject to market fluctuations; other articles at current prices, less 25 per cent., carriage paid.

Chichester.—S. Bastow, Ph.C., cod-liver oil, 5*s.* 6*d.* pint; white lint, 24*s.* per 17 lb.; boric lint, 10*s.* per 5 lb.; cotton-wool, 13*s.* per 12 lb.; vaseline, 2*s.* 5*d.* per 2 lb.; boric powder, 1*s.* 3*d.* lb.; starch powder, 5*d.* lb.; zinc powder, 2*s.* 5*d.* lb.; glycerin, 5*s.* per 2-pint bottle; castor oil, 3*s.* quart; tow, 6*s.* lb. roll; cyanide gauze, 10*s.* per 5 yards.

Clitheroe.—J. Harrison, for drugs and dressings.

Darlington.—J. E. Hodgson, for drugs for one year.

Down District Asylum Committee.—R. Johnston, for a supply of medicines.

Faversham.—J. T. Rolfe, appointed chemist for six months.

Hebden Bridge.—G. B. Wright has been appointed chemist for the ensuing six months.

Hemel Hempstead.—F. Chapman, for surgical dressings.

Hinckley.—Knight & Crofts and W. Shakespeare, for drugs.

Isle of Thanet.—Drugs for outdoor poor: V. J. Woolls, Margate, 16*l.* 15*s.* 9*d.*; J. H. Skitt, Ramsgate, 25*l.* 5*s.* 9*d.*; D. T. Evans, Broadstairs and Birchington, 34*l.* 5*s.* 11*d.*

Kendal T.C.—William Metcalfe, for an annual supply of sulphuric acid at 14*l.* 9*s.* per ton.

Lambeth.—The Lambeth Board of Guardians have decided to extend their contract with The British Drug Houses, Ltd., and S. Maw, Son & Sons, for the supply of drugs and druggists' sundries respectively, for a further period of three months, on terms identical with those which obtain in such contracts, but subject to market fluctuations. Both firms have written expressing their willingness to extend their contracts.

Malling.—H. Oliver, West Malling, medical necessaries, 19*l.* 15*s.* 5*d.*

Nantwich Board of Guardians.—W. C. Grice, for drugs, 24*l.* 15*s.* 5*d.*

Pembroke.—W. Davies, for drugs.

Southampton.—W. Bates & Co., for drugs and chemicals.

Tadcaster.—J. H. Hull, for drugs and chemists' requisites.

Warrington.—H. Smith, soda-water; Oxo, Ltd., oxo.

West Bromwich.—Burgoyne, Burbidges & Co., Ltd., for drugs.

Wharfedale.—Mr. F. W. Hoyle, for drugs, etc., to the Wharfedale Board of Guardians and Rural District Council and to the Wetherby Board of Guardians, for twelve months and six months respectively.

Worksop.—J. R. Pennington, for drugs.

Shooting Competition.

A rifle-shooting competition, organised by the "Script" Sports Club, for teams representing districts of London County, took place on September 27 and 28. Of the six districts four were represented, and two fixtures were arranged, the South-Western shooting with the Western at the City of Westminster Volunteer Range on September 27; and the North-Eastern with the Northern at the Mansfield Club Range on the following day, the same rules being maintained on both occasions. The teams and scores were as follows:

Western.		*South-Western.*	
A. E. Grimwade	92	G. F. Barratt (Capt.)	99
E. S. Hillman	79	C. Shearman	95
C. T. Allen	77	J. E. Monaghan	94
G. A. Tocher	47	E. A. Atkins	93
C. Brooks (Capt.)	42	W. Spence	92
A. G. Worsley	0	C. Yeoman	91
Total	337	Total	564
Reserve, W. E. D. Shirtliff.		Reserve, W. E. Mason.	
Northern.		*North-Eastern.*	
F. Perrett	95	G. S. Pasco	98
B. Wathen	95	W. A. Scott (Capt.)	95
Wynne Williams	95	A. S. Reid	92
H. Bristow	85	T. Edwards	90
A. T. Honiatt	85	A. Beckwith	84
R. Collings	85	G. W. Fitten	72
Total	545	Total	532
Reserve, H. Skinner.		Reserve, J. D. Hodson.	

The South-Western team took first place with the fine total of 564 points (out of a possible 600), and with the average of 94 per man; the highest individual score of the competition was achieved by the captain, G. F. Barratt. The Northern team took second place, being 19 points behind the winners, their total of 545 making an average of nearly 91. The North-Eastern team came a good third, 13 points behind number two, with a total of 532, and an average of nearly 89, G. S. Pasco making the second highest individual score. For the Western, A. E. Grimwade scored 92, and E. S. Hillman and C. T. Allen made a fair show.

Birmingham.

Yet another high-class suburban pharmacist has renounced the Insurance dispensing as being both irksome and unremunerative.

Mr. Henry Howes, chemist and druggist, who for many years had the shop at the corner of Belgrave Road and Bristol Road, has left Birmingham and gone to live in retirement at Wolverhampton.

In some districts the dispensing-work is very onerous, and help has to be obtained during the hours of pressure. In one case a hospital dispenser gives a part of his evenings to help a brother chip.

The wonderful photo illustrating the destructive force of a thunderbolt on an ash-tree in Sutton Coldfield Park which appeared in the local Press was by Mr. J. Deneer Whittles, the son of a former Birmingham pharmacist.

Mr. Wilfrid Hill, who spent many years in pharmacy, is President of the Birmingham Business Club, and delivered his presidential address on Monday, October 2. Mr. Hill is Parliamentary candidate for East Worcestershire and chairman of the County Chemical Co.

At a meeting of the Birmingham Insurance Committee held this week, objection was taken to a letter sent to a London paper by one of its members which stated that so many complaints were made of the service rendered by medical men to panel patients that it was intended, should an inquiry be made, to hasten the day of a State medical service.

The Birmingham Pharmaceutical Association's minimum retail price-list for October shows changes in the values of the following drugs: Borax, B.P.; carbon; chamomile-flowers; cream of tartar; glycerin; iodide of potassium, crushed linseed; stick liquorice; compound liquorice powder; aspirin; salicylate of soda; precipitated sulphur; and turpentine. Changes in the prices of sixteen proprietary articles are also made. In regard to glycerin the list states that "as the result of an interview with the Ministry of Munitions it is decided to limit sales to 2 oz., and the Committee ask all those who receive this list to adhere to this decision on and after October 2."

Liverpool.

"Business is wonderful considering the war." So saith a leading pharmacist established in the heart of the city.

Mr. G. Valentine C. Last is closely pursuing his medical studies, his pharmacy being in charge of Mr. John W. McKinty, formerly of Fern Grove.

The announcement in the *C. & D.* last week that Mr. Max Muspratt is the Lord Mayor-elect has given great satisfaction throughout the various branches of the chemical-trade.

Hospital staffs are taking much interest in the war-work carried on by a large party of ladies, to whom a corridor overlooking the winter garden at the new Adelphi Hotel has been allotted.

Sir Edward Evans, who has ceased to undertake public engagements during the war, is going to depart from this abstention and address the Liverpool Chemists' Association in the coming session. Among the speakers will be Mr. J. W. Deakin, of Northwich. The session is to be opened at the Royal Institution on October 11, when the President (Mr. William P. Evans) hopes to see a good rally.

Mr. Henry Peet, M.A., F.S.A., of the Adelphi Pharmacy, has just sent to the press two transcripts which will each make material additions to local history. He has edited this year the Registers of St. George's Church, Liverpool, which date from 1734 until the closing of the church, a Wren-like model, which in 1902 gave place to the Queen Victoria Memorial, the foundation-stone being laid by Lord Roberts, who was accompanied by Lord Kitchener. The registers contain the names of many leading citizens of past generations for over 150 years. By a lucky chance, Mr. Peet has found and also edited a Liverpool poor-rate book of 1786. This is a mine of information as to former owners and occupiers.

Manchester.

Influenza is very prevalent throughout Manchester and district, phenol mixture, quinine preparations, etc., being in great demand.

The increased restrictions regarding the lighting of shops have had the effect of closing chemists' shops earlier on Saturday evenings.

A young lady traveller, representing a well-known manufacturing firm, has been calling on Manchester chemists. This is an innovation.

Mr. J. C. Kidd, pharmacist, Cheetham Hill, Past President of the Manchester Pharmaceutical Association, has been elected as representative for Cheetham district on the Manchester Board of Guardians.

Mr. T. Miller, pharmacist, of Yarburgh Street, Moss Side, Hon. Secretary of the Manchester Pharmaceutical Association, is back again at business, having made a good recovery from his recent serious illness.

The Minister of Munitions, in a letter to the Lord Mayor of Manchester, stated that he was glad to learn that the new holiday date in the city had been fixed for October 9, and hoped it would be generally observed by all shopkeepers.

A lantern-slide, depicting Sir George Alexander, the Lord Mayor of Manchester, and party in the trenches at Platt Fields, Manchester, from a photograph by Mr. J. Cleworth, pharmacist photographer, was shown the following day at the Hippodrome, where Sir George appeared.

Manchester panel chemists have just received statements of their accounts regarding the final settlement for 1915. They are asked to sign them and send them back, when a cheque in settlement will be forwarded. This final payment represents about 10 per cent., making 100 per cent. for 1915 drug accounts.

The syllabus for the coming session of the Manchester Pharmaceutical Association has just been issued, the first item being an address by Mr. W. J. U. Woolcock on October 11. "Pharmacy and the Future" is the title of Mr. R. Cecil Owen's lecture on November 8. In December Mr. Harold Wyatt will contribute "Dispensing Notes." A social meeting is to be held in January. On March 14 the President (Mr. W. Kirkby) will lecture on "A Century of Manchester Pharmacy." The annual meeting is to be held in April.

West Bromwich.

It was in April 1904 (not 1914) that Sergt. Henry Osborne passed the Minor.

Mr. G. A. Mallinson, Superintendent of the Central Checking Bureau, will deliver an address to the local Pharmaceutical Association on Tuesday, October 17.

The Executive Committee of the local Association has accepted the Birmingham Minimum Price-list, with the following additions and amendments:

Camphor, ½-oz. tabs., 1*d.* each, 4 for 3½*d.*; Epsom salt, 6½*d.* lb.; glycerin, 3*d.* oz., 2 oz. 5½*d.*; hypo., 4½*d.* lb.; linseed, 4½*d.* lb.; soda sulphate, recryst., 6½*d.* lb.; sulphur, precipitated, 1 oz. 1½*d.*, 2 oz. 2½*d.*, 4 oz. 4½*d.*; turpentine, 8*d.* pint.

Dinneford's magnesia, 10½*d.*; Fenning's preps., 1*s.* 3*d.* size 1*s.* 1½*d.*; Fenning's powders, 9½*d.* doz.; 5*s.* Beecham's, 4*s.* 9*d.*; Gibbs' shaving-sticks, 6*d.*; Himrod's asthma-cure, 2*s.* 11*d.*; Keating's powder, 3*d.*, 4½*d.*, 8½*d.*; Liquafruta, 1*s.* 3*d.*, 3*s.*

Miscellaneous.

Dandelion-roots fetched 5*s.* per lb., and belladonna-roots nearly as much, in Gloucestershire, says the "Daily Mail."

Harbouring Opium.—To Kum (24), a seaman, was, on October 3, remanded at West Ham on a charge of harbouring 5 lb. of opium with intent to export it.

Llanelly Chemists recently met the medical officer of health, who asked their assistance in persuading mothers to abandon the use of long-tube bottles. They agreed, and the old bottle is going out now.

Synthetic Dyes.—At Manchester last week 19*s.* per lb. was paid for rhodamine B. which in pre-war times was usually sold at 2*s.* 9*d.* per lb., and black green dyes fetched 15*s.*, as compared with 1*s.* 9*d.* per lb. paid before the war. These prices are beaten by what chemists and druggists have paid for phenacetin and some other synthetics.

Women's School of Medicine.—The Queen opened on Monday, October 2, the extension of the Royal Free Hospital School of Medicine for Women, Hunter Street, London, W.C. Miss M. E. Buchanan, Ph.C., is the pharmacy teacher of the School, which was founded in 1874.

Sanatogen.—The "Daily Mail" called attention last week to the fact that although a winding-up order for A. Wulfing & Co. had been issued, the sanatogen business was going on as usual. Mr. Layton Bennett, the Controller, has, however, been instructed by the Board of Trade to sell the business at the earliest possible moment without any reference to trade-marks or goodwill.

Bright Lights.—Mr. F. V. Butterfield, chemist and druggist, was fined 10*s.* in respect of this offence at the Harrogate Police Court on September 26.—For similar offences, at St. Ives (Hunts), on September 25, Mr. Wm. Green, chemist and druggist, Somersham, was fined 20*s.*; at Horncastle, on September 23, Mr. Herbert Carlton, chemist and druggist, High Street, 15*s.*; and at Boston Bertha Jackson, manageress for Boots, Ltd., 1*l.* and 2*s.* 6*d.* costs.

Mr. A. Hagon got the Cardiff Chamber of Trade on September 25 to agree to the following resolution:

(1) That all *bona-fide* restaurants and refreshment-houses supplying food to be consumed on the premises should be exempted, and that no food be sold to be taken off the premises. (2) That all other shops, without any exemptions whatever, should close at 6 P.M., Saturdays 8 P.M., and one day a week at 1 P.M. (3) That the provisions of the Shop Acts governing the allowance of time for tea be cancelled, except on Saturdays. (4) That all wages be paid on Fridays. (5) That all Sunday trading be prohibited, with the exception of the supplying of milk.

Leicester and Leicestershire Pharmacists took a good part in the "Olde Englishe Faire" held in Leicester Market Place on September 28 and 29 in aid of the Mayor's scheme to raise 100,000*l.* for disabled soldiers and sailors of the town and county. The local Association, under the leadership of Mr. W. T. Hind and Mr. C. J. Avery, President and Secretary, threw themselves vigorously into the work. Their most effective stall, christened "Ye Olde Chymiste Shoppe," was allotted one of the places of honour right at the entrance to the Market Place. Fair assistants, clad in Old English costumes (Miss Richardson was the leader), attended it, and the public supported the stall well, with the result that all are satisfied with the sales.

The Sale of Lead-plaster to women is again coming forward in connection with the low birth-rate. It is understood, says "The Times," that the Government Department concerned regards the movement with favour.—A deputation from the English Plastermakers' Association will meet representatives of the National Council of Public Morals on Friday, October 6, to discuss the recommendation of the National Birth-rate Commission in favour of preventing the sale of certain forms of lead plaster. The deputation will comprise Mr. Cholerton and Mr. A. de St. Dalmas (representing A. de St. Dalmas & Co., Leicester), Mr. Gerrard (representing Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham), and Mr. A. J. Pidd (representing W. Mather, Ltd., Manchester).

Unemployment Insurance.—Under the National Insurance (Unemployment) Acts, 1911 to 1915, the following decisions have been given by the Umpire: *Contributions are payable in respect of* workmen engaged in the manufacture of collapsible tin tubes [1872X]. Workmen engaged wholly or mainly in the preparation of tetanus anti-toxic serum [1881X]. Workmen engaged wholly or mainly in the manufacture of turpentine [1889X]. *Contributions are not payable in respect of* workmen engaged in bleaching or otherwise preparing cotton-wool or cotton-cloth for use in the manufacture of surgical dressings [1876]. Workmen (other than those covered by decision A 1754X) engaged wholly or mainly in the manufacture of coffee essence, culinary essences, flavourings and fruit essences [1894]. Workmen engaged wholly or mainly in the manufacture of aërated waters [1896].

Poisonings.—Since our last issue the following cases of poisoning have been reported: Lance-Corporal Walker died in Wakefield Asylum from oxalic-acid poisoning. He had carried the poison about with him in his tobacco for some time.—A Sunderland girl named Armstrong died through rubbing hydrochloric acid on her gums in mistake for toothache-essence.—A domestic servant of North Thoresby, named Ladley, took an overdose of laudanum while temporarily insane.—A little boy at Quadring, Lincolnshire, died after playing with a bottle known to have contained belladonna, which poison he is supposed to have taken.—At Bradford two children have died through eating the berries of the deadly nightshade which they picked in the public park.—Mr. T. E. Yardley, chemist and druggist, in the employ of Mr. H. Payne, Welshpool, was found dead with an empty bottle, which had contained poison, by his side. He had been worried regarding a request for re-examination by the Army authorities.

Earlier Closing.—At a special meeting of *Harrogate* pharmacists last week, it was decided to close their shops at 7 P.M. during the fore part of the week and at 9 P.M. on Saturday. *Deptford* Borough Council wants the Government to secure earlier closing of shops.—At *Doncaster*, where the shopkeepers generally, at a meeting held under the chairmanship of the Mayor, last week, decided to adopt shop closing at 6 P.M. on three week-nights, and 8 o'clock on Friday and Saturday, the chemists have fallen in with the majority, but, for public convenience, having arranged among themselves that in the centre of the town Boot's, Ltd., French Gate, and Mr. W. E. Plant, 28 High Street, shall be open till 7.30 on Monday; Mr. W. W. Smith, 16 Market Place; Mr. H. W. Shaw, 6 Market Place; and Taylor's Drug Co., Ltd., 6 Baxter Gate, shall be open to that time on Tuesday; Mr. T. H. Connor, 17 Scot Lane, and W. H. Stiles & Son, 2 French Gate, on Wednesday; while in the suburbs Mr. T. J. Hasselby, 41 Carr House Road; Mr. J. C. Marr, 5 Holmes Market; and Mr. W. E.

Plant, 149 Balby Road and 102 Carr House Road are to be open to 7.30 on the first three evenings of the week.—*Ipswich* traders, at a meeting presided over by the Mayor, unanimously resolved to close at 6 P.M. on Monday, Tuesday, and Thursday, at 1 P.M. on Wednesday, and at 8 P.M. on Friday and Saturday. Mr. A. Matcham said that unless the doctors had their surgery hours earlier it would not be possible for the chemists to keep to these hours owing to their dispensing contracts under the National Insurance Act. The Mayor suggested the Chemists' Association should bring pressure to bear on the doctors. Mr. E. S. Clifton said the chemists would fall in with the arrangement, and if they kept open for dispensing it must be for dispensing only.—The chemists at *Lincoln* have decided to close at 9 P.M. on Saturday, and at 7.30 P.M. on other days of the week.—Beginning on October 2, chemists at *Walton* and *Felixstowe* are closing at 6 P.M. on Monday, Tuesday, Thursday, and Friday, at 1 P.M. on Wednesday, and 8 P.M. on Saturday.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Dr. A. J. Barnes was the successful candidate at the Council election, in addition to the six candidates who were re-elected.

The annual meeting of the Pharmaceutical Society of Ireland took place this week, but owing to postal delays our report had not arrived in time for this issue.

With a view of reducing increasing expenses the following Cork pharmacies have agreed to close at 10 P.M. and on Saturdays at 10.30 P.M. from October 1: Blair's and Burke's Pharmacies, Cork Chemical and Drug Co., Harvey's, Lester's, MacSweeny's, Magner's, Mayne's, O'Sullivan's, and Sunner's pharmacies.

At Belfast Police Court last week, Mr. James Henderson, registered druggist, Great Victoria Street, Belfast, was summoned by the Corporation for keeping petrol for sale without a licence. A plea of guilty was entered, it being stated that defendant had undertaken to take out the necessary licence, and on this undertaking a nominal fine of 2*s.* 6*d.* was imposed.

The tender of Boileau & Boyd, Dublin, has been accepted by the County Tipperary Infirmary Co. for the supply of drugs at 12½ per cent. discount, and that of Fannin & Co., Dublin, for appliances at 15 per cent. Boileau & Boyd tendered for the latter at 17½ per cent. discount, but on the motion of Dr. Laffan it was decided to accept the tender of Fannin & Co. on the ground that a druggist should not get the contract.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Edinburgh.

Leith chemists, especially those nearest the coast, report large and profitable sales as the order of the day.

Complaints are heard from chemists that the reduced lighting is having a harmful effect upon their eyes.

Morningside district chemists, Boots, Ltd., and at least one Leith chemist have started closing nightly at 7 P.M. this week.

Mr. Peter Stewart, who was town representative for J. F. Macfarlan & Co., manufacturing chemists, some years ago, has returned to take up his former position with the firm.

Boots, Ltd., have transferred their business at 46 Leith Street to the fine new premises near by. The new establishment is almost opposite Messrs. Gibson's former Leith Street pharmacy.

Saline preparations are becoming scarce. Eno's Fruit Salt, also difficult to obtain, is retailing at from 2*s.* 4*d.* to 2*s.* 6*d.* Sixpence would appear to be the average price for a 4-oz. stick of liquorice.

Sir Charles Bedford opened the session of the Edinburgh and East of Scotland Section of the Society of Chemical Industry on Wednesday with an address on "The Organisation of British Chemical Manufacturers."

A chemist who has been comparing the remuneration received for dispensing Insurance scripts during the quarter which ended on June 30 with the corresponding period of last year discovers that there is a net decrease of over 10 per cent.

Glasgow.

At Glasgow on October 3, Sheriff Thomson fined George Duncan, London, 250*l.* for shipping a large quantity (840 lb.) of opium in a piano. On the accused's behalf it was stated that he had already lost 1,200*l.* by confiscation of the drug.

Giving evidence before the Committee of Investigation appointed by the Faculty of Insurance to inquire into the working of the National Health Insurance Act, at Glasgow last week, Mr. William Jones, Clerk and Treasurer to the Glasgow Burgh Insurance Committee, said that for the year 1914 the Medical Benefit Fund, for which the Committee was responsible, amounted to 147,622*l.*, of which 111,913*l.* was allocated to medical practitioners, and 34,435*l.* was the drug fund.

Legal Reports.

Hop Extract Co., Ltd.—In the Vacation Court, London, on September 27, Mr. Justice Atkin, in the matter of *In re* Hop Extract Co., Ltd., Troy *v.* the Company, appointed a receiver and manager. It was said that this was a debenture-holders' action, the plaintiff holding thirteen debentures of 100*l.* The application was on the ground of jeopardy. The company consented to the application.

Magnesia.—At Loughborough, on September 27, John W. Smith was summoned, under Section 6 of the Sale of Food and Drugs Act, 1875, for selling as "magnesia" citrate of magnesia. The evidence showed that the purchaser explained that she did not want effervescent magnesia; but Mr. W. Moss, for the defence, elicited that she got a choice of the carbonate or citrate. Defendant gave evidence, as well as Mr. Charles A. Butler, managing director of Butlers, Ltd., Leicester, and defendant was fined 10*s.*, with 10*s.* 6*d.* costs, being the analyst's fee.—At Lutterworth, on September 29, E. Chesterfield, grocer, was fined 5*s.* 6*d.*, and the analyst's fee (10*s.*), for selling, as magnesia, citrate of magnesia, the only kind he kept.

A Cocaine Charge.—At Bow Street Police Court, London, on September 23, John Reid Laird (32), who had been living in the Imperial Hotel, Russell Square, was charged, under the Defence of the Realm Act, with having been in possession of eleven phials of cocaine and one bottle of liquid cocaine. It appeared from the evidence that the prisoner was found lying unconscious in his bedroom, and, on being removed to the Royal Free Hospital, was certified to be suffering from an overdose of cocaine. The phials were found in his room, also a syringe, and he stated that he was taking the cocaine to France. The prisoner was remanded for a week, and was again remanded on October 2.

Gregory's Powder.—At Bradford, on September 28, Mr. John Albert Mitchell, chemist and druggist, of 33 St. Mary's Road, Manningham, was summoned, under Section 6 of the Sale of Food and Drugs Act, 1875, for selling Gregory's powder which the public analyst had certified to contain 48.97 per cent. of light magnesium carbonate. Mr. James Freeman appeared for the defence, which was undertaken by the Chemists' Defence Association. The inspector who purchased the powder, Mr. F. W. Richardson, F.I.C., Bradford City and West Riding County public analyst, who analysed it, and Dr. J. J. Buchan, medical officer of health for Bradford, were the witnesses for the prosecution. For the defence, Mr. Freeman stated that about six weeks ago, knowing he had no stomach-powder in stock, Mr. Mitchell hurriedly made up 9 oz., and, unfortunately, having now no assistant, he made it up in the old way by force of old habit. He submitted the opinion of Dr. Beetham, for whom Mr. Mitchell had dispensed during seventeen years, to the effect that "the oxide and carbonate of magnesia are classed together from a medical man's point of view." The Stipendiary Magistrate considered that the case was not one for a heavy penalty, and a fine of 1*l.*, with costs, was imposed.

During the three months ended March the imports of drugs and chemicals into the Australian Commonwealth amounted in value to 394,000*l.*, against 381,000*l.* and 335,000*l.* for the corresponding periods of 1915 and 1914.

Canada's first farmer was Louis Hebert, an apothecary from Paris, who landed at Quebec in 1617 with his wife and children. The Cathedral of Quebec stands on part of his farm. It is now proposed to erect a monument to him.

Births.

Flach.—At Leigh-on-Sea, on October 4, the wife of James Flach, 16 Water Lane, Great Tower Street, London, E.C., of a daughter.

Turner.—At 8 Leslie Road, Aberdeen, on September 30, the wife of William Turner, chemist and druggist, of a son.

Marriage.

Baines—Haller.—At Christ Church, Albany Street, N.W., on September 27, Henry P. Baines, second-lieutenant, Gloucestershire Regiment, to Kathleen, younger daughter of Mr. George Haller, 5 Leadenhall Street, E.C., and of Mrs. George Haller, Langham House, Albany Street, Regent's Park.

Deaths.

Allen.—At Weston-super-Mare, on September 30, Mr. Charles Bowen Allen, Ph.C. and a former President of the Pharmaceutical Society of Great Britain, aged sixty-four. The funeral took place on October 3 at Weston-super-Mare. Among the wreaths were those sent by the Pharmaceutical Society, the Western Chemists' Association, St. Peter's Home, Kilburn, the staff of Mr. Allen's pharmacy, and two from bowling-clubs. Mr. Richard Bremridge and Mr. P. F. Rowsell were present. Mr. Allen had been in poor health for some time, having had an apoplectic seizure early in the year. He had sufficiently recovered to be able to attend the annual meeting of the Drug Trade Appeal Fund, when Mr. W. F. Gulliver was appointed to succeed him as a member, also taking the office of Treasurer which Mr. Allen had filled. Then Mr. Allen was cheery, and some felt that it could not be the last public meeting of the drug-trade men which he would attend. He had gone to Weston-super-Mare for a change, and there last week he had an attack from which he did not recover. Mr. Allen had worked so well in pharmaceutical affairs for nearly forty years that those who knew him only through this could not have realised that he was also a hard-working retail pharmacist, and it was this combination which told upon his health. To many fellow-pharmacists his death is a genuine personal loss. Mr. Allen was born of Cornish parents, and on December 31, 1866, was apprenticed to Mr. J. S. Harvey, Penzance, for five and a-half years, at the end of which he came to London, devoted a few weeks to study, entered for the Minor examination, and passed in November 1872 at the age of nineteen. Four years afterwards he passed the Major, having in the interval been with Mr. T. M. Clarke, Richmond, and John Bell & Co., Oxford Street, W. In 1876 he purchased the pharmacy at 20 High Road, Kilburn, which had been established in 1846. This became a model pharmacy just as he was an ideal master, and surely a pharmacist can have no more abiding distinction than that which remains in the memory of old apprentices and assistants—C. B. Allen had few British compeers in that respect. His more intimate association with the Pharmaceutical Society began in 1885, when he was co-opted a member of the Council in succession to Mr. Frederick Andrews. He became Vice-President in 1900, and during the period he on many occasions had to perform presidential duties. In 1909 he retired, but came back to the Council again by election in 1911 and was appointed President, holding the office two years with Mr. White as Vice-President in the second year, when Mr. White succeeded him as President. Mr. Allen retired from the Council in 1915. He is survived by his second wife, a daughter of Mr. Richard Bremridge. For some years back his two sons—Charles Trounson Allen and William Herbert Allen—were associated in business with him, relieving him of much work, and each of them has pharmaceutical distinctions that reflect personal ability.

Mr. C. B. Allen.

Anness.—At Glenhurst, London Road, Ipswich, on September 30, Mr. Samuel Richard Anness, Ph.C., J.P., aged eighty-two. Mr. Anness qualified as a pharmaceutical chemist sixty-two years ago, and was in business first in Tavern Street, Ipswich, then in Westgate Street, from which he retired twenty years ago. He was prominent in the public life of the town, and was father of Ipswich Town Council, which he first entered in 1875. He was Mayor in 1893, and in 1895 he was elected an Alderman, a position he held down to his death. He had done much other good local work, and was an ardent Freemason (see *C. & D.*, November 25, 1893, p. 770). For many years he was local Secretary to the Pharmaceutical Society. He was a widower and leaves a son, who is a medical practitioner, and a married daughter.

Grimwade. — At Harleston, Caulfield, Victoria, on August 3, Jessie Taylor, widow of the late F. S. Grimwade, M.L.C. She leaves two daughters and four sons—Mr. E. Norton Grimwade, Brigadier-General Harold Grimwade, and Mr. Russell Grimwade, of the firm of Felton, Grimwade & Co., and Dr. Grimwade, Geelong. She was one of the leading women workers in Victoria, and was the Foundation President of the Gentlewomen's Aid Society.

Tennant.—At Malvern, on September 25, after a short illness, Mr. James Arthur Tennant, chemist and druggist, late of 5 Hamilton Terrace, Leeds, aged twenty-nine. Mr. Tennant passed the Minor examination in July 1910, and his untimely death is regretted by all his friends.

Died on Service.

Bland.—At the Battle of Loos, on September 25, 1915, Corporal Jos. Bland, Seaforth Highlanders, aged twenty-six. He was with Mr. Henry Troughton chemist and druggist, 31 Market Street, Lancaster, before he enlisted in September 1914.

Burton.—Killed in action, Private Eric C. Burton, Royal Warwickshire Regiment, aged twenty-one. Before the war he was employed by Mr. Walter Colley, chemist and druggist, Sherlock Street, Birmingham.

Mason.—Died of wounds on service, Lance-Corporal Archibald Douglas Mason, 6th Battalion Cameron Highlanders, aged twenty-one. Lance-Corporal Mason was a son of Mr. A. D. Mason (the Anglo-American Pharmaceutical Co., Ltd.), and was an apprentice with Mr. G. Shiach Kitchin, chemist, Pollokshields, Glasgow. He joined the Colours in September 1914, and came through several important engagements. Quite recently he was promoted lance-corporal for an act of great bravery.

Poole.—Killed in action, Corporal Robert Poole, Royal Engineers, who was an assistant with Mr. J. Duncanson, chemist and druggist, Stirling, and latterly in London.

Wright.—Died of wounds on September 23, Sergeant Reuben Wright, 11th Battalion Rifle Brigade, who for many years was a most valued servant and friend of Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, London, E.C.

Wills.

The late John Robson, chemist and druggist, Carlisle, left estate valued at 10,437*l.* gross.

Mr. James Sayburn Wilson, chemist, Corbridge, Northumberland, left estate valued at 1,978*l.* gross.

Mr. Ralph Morton Knowles, chemist and druggist, Stockport, who died on March 13, aged seventy-three, left estate valued at 1,299*l.* gross.

The late John Carr Nicholson, head of Nicholson & Sons, Ltd., chemical-manufacturers, Hunslet, left estate valued at 233,368*l.* gross.

"Humours of a Chemist's Shop" is the title of an article in the "Strand Magazine" for September. We think we recognise under the pseudonym "A Chemist" a well-known pharmacist contributor to the *C. & D.*

Druggists' Preparations in U.S.A.—Between 1909 and 1914 there was a substantial increase in the manufacture of druggists' preparations, patent and proprietary medicines and compounds, and perfumery and cosmetics in the United States. The Bureau of the Census reports in regard to the 1914 census that they received returns from 4,082 establishments, with products valued at $172,008,946. The number of establishments in 1914 exceeded that in 1909 by 440, or 12.1 per cent., and the value of the products increased during the five-year period by $30,067,344, or 21.2 per cent. The materials consumed by all establishments in 1914 comprised 118,282 lb. of opium, 316,130 oz. of morphine or derivatives thereof, 414,255 oz. of cocaine or derivatives thereof, 13,039 oz. of heroin, and 23,859 oz. of diacetyl morphine.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Bournemouth.—At the meeting of the Insurance Committee last week, the 1915 figures for dispensing, given in the *C. & D.*, September 16, p. 45, were submitted, and it was reported that the amount advanced to chemists for 1915 was 1,471*l.* 19*s.* 8*d.* It was recommended that the amount of the prescriptions chargeable to the Drug Fund and the Sanatorium Benefit Fund should be paid in full, leaving a settlement in respect of the prescriptions chargeable to Temporary Residents' Fund, until the amount available to the Committee for the Central Medical Benefit Fund had been credited. The average price per script during 1915 had varied from 7.25*d.* to 7.69*d.* The report was adopted and the payments and adjustments agreed to.

Brighton.—At a meeting of the Insurance Committee on September 28, it was reported, in connection with the exemption of dispensing chemists from military service, that the numbers of chemists and dispensers employed are: Qualified proprietors or managers, 1914, 48; June 1916, 48; dispensers, June 1914, 85; June 1916, 55; showing that during the two years of war thirty dispensers employed prior to the war have left, presumably mostly to join the Colours, irrespective of those who were employed after that date. The number of chemists and dispensers serving is 45. The numbers liable for military service are as follows: Qualified proprietors or managers, 20; unqualified proprietor, 1; and dispensers, 23. During the year 1915 the prescriptions dispensed were: Private, 263,800; and Insurance, 109,250. As regards five pharmacies who applied direct, it was stated twelve of their staffs are serving with the Forces, and those liable for service are four qualified managers and seven dispensers. It was considered that these pharmacies should be kept open.

Canterbury.—The Insurance Committee has paid chemists' accounts for 1915 in full.

Hereford.—At a meeting of the Insurance Committee for the county, it was decided to pay the panel chemists' accounts for the months of June, July, and August last, and also the balances due in respect of the March, April, and May accounts—297*l.* 8*s.* It was also decided that the sum of 11*l.* 2*s.* 11*d.* be paid the West Midlands Joint Committee in respect of the Prescription-pricing Office. One medical deputy on the Committee thought they should have a guarantee that the work with regard to prescriptions was done properly, it being remarked that it was only the doctors who could help the Committee in the matter. They could call for the prescriptions and see the pricing. It was observed that the contribution from the Committee to the Pricing Bureau was about 30*l.* per annum.

Middlesex.—The Insurance Committee on October 2 re-elected Mr. W. S. Glyn-Jones, M.P., as Chairman and Mr. W. W. Kalland as Vice-Chairman for the year. The County Pharmaceutical Committee has issued its report for the year, July 15, 1915, to July 16, 1916. It states that during the year there were 3,529 accounts from chemists, covering 838,635 prescriptions, the value being 28,391*l.* 18*s.* 10*d.*, showing the average cost to be 8.12*d.* Payments of 75 per cent. were made in 1915, and extended negotations have resulted in arrangements being made for paying the balance. Dealing with the 1916 Tariff, the Committee state how dissatisfied they were with the change in the arrangements, and they particularly objected to the establishment-charge. The conditions were, however, accepted under protest, and circumstances have since proved that the dissatisfaction felt and expressed by the Committee was thoroughly justified, inasmuch as the marked fall in the average cost of the 1916 prescriptions undoubtedly indicates a serious reduction in the rate of chemists' remuneration. Reference is also made to the new scheme of pricing prescriptions, which by the end of June was working well. Figures are given for the first six months, the total scripts priced being 392,351, and the total payment 11,359*l.* 2*s.* 4*d.*, showing an average of 7.06*d.* The average in March and April was 6.96*d.*, that being the lowest, and 7.19*d.* was the highest. This was in January, but the June average was 7.17*d.* The Checking Sub-Committee's services are commended in the report. As the Pharmaceutical Council's scheme was unsuitable, the Committee set up an independent Prescription-checking Department for Middlesex, which does its work at the Pricing Office, and the Committee is satisfied that the results obtained are not only favourable but more than commensurate with the expenditure on the Checking Department. It is stated that the Committee is convinced that the setting-up of an independent Prescription-checking Department, with a highly skilled pharmacist as supervisor, was a prudent, necessary, and economical step, which has been fully justified by the results obtained. The report also deals with military service, and a postscript is added in which the Committee thanks Middlesex pharmacists for loyal support, and states that the present Committee will continue to act for another year—namely, Messrs. C. W. Andrew, T. Bright, H. E. Clement, C. Coulter, J. T. Davy, W. Duncan, H. Gray, A. W. Hall, S. W. Harrison, S. C. McKee, W. H. Peake, H. Rigden, S. Sayers, H. Skinner, E. F. Strickland, and B. Webster. A new and enlarged edition of the Middlesex Formulary is promised. The financial statement is appended, and shows receipts in 1915 amounting to 300*l.* The expenditure included 250*l.* 5*s.*, salary of Secretary and secretarial assistance.

Plymouth.—The Clerk of the Insurance Committee has received a letter from the Commissioners in reply to a complaint from local chemists as to charges allowed for splints outside Tariff specifications and low price allowed for oxygen. It is understood the letter contained a list of permissible ex-Tariff articles and a statement respecting the capacity of dispensing-bottles. The Commissioners hold chemists to be responsible for dispensing the correct amount of medicine prescribed, and they should take care that any inaccuracy of the bottle does not mislead them; further, that they should refuse to supply the medicine until a proper bottle is provided at the insured person's expense.

Portsmouth.—At the meeting of the Insurance Committee on September 28, it was reported that chemists have been paid in full—4,506*l.* 5*s.* 10*d.*—and that 413*l.* has been paid from the Drug Fund to medical practitioners. For 1915 the amount for sanatorium prescriptions was 80*l.* 7*s.* 9*d.*, of which chemists had been paid 54*l.* 19*s.* 3*d.*, and the balance was voted at this meeting. Prescription-pricing for July had been completed, the figures being: prescriptions 8,120, total charge 206*l.* 19*s.* 5*d.*, average per prescription 6.12*d.*, against 7.19*d.* last year. In the course of the discussion Mr. Hellis said chemists would be pleased to note that the doctors had got 413*l.* from the Drug Fund, whereupon Mr. Thomas Brewis, chemist, said chemists would duly "note" that the doctors had got 413*l.*, but he suggested that they should hand that over to the chemists as a contribution to some of the money chemists had lost over it.

Sheffield.—At a meeting of the Insurance Committee at the Town Hall on October 4, it was decided to place Dr. Arthur W. Wilson, of 153 Western Road, Crookes, on the panel, and the Brightside and Carbrook Co-operative Society's new branch at 176 Spital Hill was put on the list of suppliers of medicines. Dr. W. Mettam (Darnall) has retired from the panel. The Panel Committee requested approval of a new local Formulary and ten stock mixtures. The Pharmaceutical Committee raised no objection to the latter and they were approved from January 1, 1917, on condition that the medical practitioners give a prescription written in full or under the name in the local Formulary. It was decided to pay doctors a capitation-fee of 2*s.* 6*d.* per annum for patients two or more miles distant. The Clerk had received a letter from the United Friendly and Trade Societies Medical Association asking for an interview to show that the inflation of their lists was not to the same extent as the list of practitioners. As the matter was of some urgency, it was decided to ask the Audit Sub-Committee to investigate and decide what shall constitute the list for the settlement of 1915. The result of this inquiry has delayed the payment of the chemists' balance of 20 per cent. owing for 1915, which was to have been paid this month. It was ordered that payment should be made of 832*l.* 8*s.* 2*d.*, the balance of account ended July 31, and payment on account for August 1916.

West Riding.—At last week's meeting the Insurance Committee discussed a report from the Medical Benefit Sub-Committee as to the supply of emergency dressings and appliances by doctors. The Commissioners had approved payment of a flat rate of 6*d.* per prescription, and stating, in effect, that an emergency dressing or appliance is not necessarily restricted to "first" dressings. The Medical Benefit Sub-Committee reported that they had resolved to adhere to the original decision, but after discussion and an amendment from two doctors the matter was referred back to the Sub-Committee for reconsideration.

Wolverhampton.—Mr. F. J. Gibson, J.P., presided at a meeting of local panel chemists on September 27, when the annual report of the Pharmaceutical Committee and a financial statement were submitted by the Secretary (Mr. J. H. Coleman). The report covered the period from July 27, 1915, and referred to six meetings that had been held, as well as the work done at them. A copy of the

report had been sent to each member, and it was adopted, as also was the financial statement. As the result of various meetings of the Staffordshire, Dudley, and Wolverhampton Secretaries with Dr. Reid as to the Joint Tuberculosis Committee's prescriptions, 7½ per cent. was added to the 1916 Tariff as from April 1, full payment being made up to March 31, 1916. The assistance given in this matter by Mr. W. J. Fowke (Stafford) was mentioned, and the meeting thanked him warmly for his services. The Secretary stated that Mr. Mallinson advised that mag. carb. levis be dispensed when mag. carb. is prescribed. The Chairman read from the Commissioners' circular the paragraphs relating to 1917 service.

Worcester.—At the Worcester City Insurance Committee's last meeting, a recommendation of the Panel Sub-Committee that stock mixtures as approved by the Commissioners should be adopted resulted in a somewhat heated discussion. Several members condemned the system as retrograde. It suggested the poor-law, and recalled the method which obtained forty years ago, when happy-go-lucky practitioners had a No. 1 and No. 2 mixture from which they filled their bottles, the two kinds of physic representing their only alternative. Dr. Moore Ede (Dean of Worcester) thought the idea of stock mixtures would be workable provided the "stuff" was made up as required and not taken from bulk! Eventually it was decided to advise the chemists to agree to the adoption of stock mixtures.

Worcestershire.—The second annual report of the Pharmaceutical Committee has been issued. It gives particulars of the attendances of the members and reviews the work of the past year. A statement of accounts shows that the expenses for the year amounted to 48*l.* 12*s.* 6*d.*, but this does not include the travelling-expenses of the members, which are paid out of the local Association funds.

SCOTLAND.

Chemists' Agreements for 1917.

The Report by the Pharmaceutical Standing Committee (Scotland) to the Scottish Insurance Commissioners on the Report and Recommendations of the Departmental Committee on the Drug Tariff, which has been accepted by the Commissioners with the concurrence of Mr. Charles H. Roberts, M.P., was signed by Mr. Thomas Guthrie, Chairman of the Committee, and Mr. J. Rutherford Hill, Secretary, on August 31, and submitted to the Commissioners who, in a letter dated September 28, intimate that they have carefully considered the Report. They express disappointment that despite their earnest hope that the investigations of the Pharmaceutical Standing Committee (Scotland) would have rendered it possible to arrive at a basis for agreement as to the Drug Tariff recommended by the Departmental Committee on terms which would have been acceptable both to the chemists and to the Commissioners, this has not been possible. With regard to the request of the Pharmaceutical Standing Committee (Scotland) that the *status quo* should be continued for another year, the Commissioners state that after consultation with Mr. Roberts they are prepared, in the absence of any prospect of agreement under present conditions, to approve the existing provisional arrangements for another year. The conditions of Pharmaceutical Service for 1917, they decide, will therefore be as follows:

The existing agreements with chemists to be renewed for 1917 on the understanding that there will be no alteration during that year of terms and conditions other than the monthly adjustment of the prices of drugs affected by the abnormal conditions now prevailing; subject to the operation of the war clause, as set forth in I.C. 201 (Scotland), and as explained in the body of that circular.

The effect of the above decision is that agreements between Scottish Insurance Committees and Scottish panel chemists will for the year 1917 be precisely on the same footing as during 1916. We have already reported that Pharmaceutical Committees throughout Scotland have received copies of the Report sent to the Commissioners, and each Insurance dispensing chemist received a letter explaining the Report. It is desirable to describe the nature of the Report. It deals with two propositions, viz.:

(A) That Scottish panel chemists adhere to the position taken up in the Memorandum on behalf of Scottish panel chemists, submitted to the Departmental Committee on May 26, 1915 (see Minutes of Evidence, p. 169), and particularly to Clauses 4, 15, 16, 17, and 23 to 38; also to the Memorandum and Appendices submitted to the Departmental Committee on behalf of the Pharmaceutical Society of Great Britain on March 10, 1915 (see Minutes of Evidence, p. 2), and particularly, with the exception of the third sentence in Clause 16, to Clauses 11 to 16 and 45 to 52; and also to the general purport of the detailed evidence submitted in connection with these Memoranda.

(B) That the terms of the proposed Drug Tariff are financially unsound and cannot be accepted.

Nine paragraphs of the explanatory letter by the Chairman and Secretary are devoted to A and eleven are on B. Following upon this is a series of seven Appendices. The first is a report by Mr. J. P. Gilmour, a member of the Departmental Committee, regarding paragraphs 36, 37, 42, and 43 in that Committee's report, also Conclusions II. (*b*) and (*c*) in the report to which he dissents, and his non-acceptance of the dispensing scale. Appendix II. is devoted to the scheme for ascertaining the actual establishment-charges applicable to the dispensing of prescriptions. Here statistics of three businesses are given. The average establishment-charge per hour in these businesses was 17.84*d.*, and this worked out at 2.97*d.* as the establishment-charge per prescription dispensed. In Appendix III. an analysis is given of 10,997 consecutive prescriptions dispensed during 1914 from eight pharmacies in six county areas, and twenty-two pharmacies in six burgh areas, the results indicating an average balance per prescription of 2.189*d.* after deducting cost of drugs (including 5 per cent. wastage and cost of corks, twine, paper, etc.) and dispensing-fees. In Appendix IV. a similar analysis is given of 2,172 prescriptions dispensed in three pharmacies in two county areas, and nine in five burgh areas. Here the average balance per prescription was 1.745*d.* In Appendix V. similar statistics are given in respect to 182 pharmacies. Appendix VI. deals with forty typical Insurance prescriptions priced according to the Drug Tariff 1915, and according to the proposed (1916) Tariff—*i.e.*, the one now in use in England and Wales. We give the charges for ingredients and dispensing-fee in each case:

1915.	1916.	1915.	1916.
8.5*d.*	7.27*d.*	9.0*d.*	7.96*d.*
10.0*d.*	8.46*d.*	5.0*d.*	5.25*d.*
11.0*d.*	6.74*d.*	9.0*d.*	6.78*d.*
11.0*d.*	7.53*d.*	4.5*d.*	4.42*d.*
10.0*d.*	7.44*d.*	6.0*d.*	4.49*d.*
10.0*d.*	8.22*d.*	7.0*d.*	6.49*d.*
5.0*d.*	4.28*d.*	10.0*d.*	8.21*d.*
11.0*d.*	7.80*d.*	2.5*d.*	1.95*d.*
8.0*d.*	6.62*d.*	6.5*d.*	5.99*d.*
16.0*d.*	7.58*d.*	7.0*d.*	6.65*d.*
10.0*d.*	5.34*d.*	8.0*d.*	6.84*d.*
29.0*d.*	24.80*d.*	18.5*d.*	11.55*d.*
5.5*d.*	4.73*d.*	26.5*d.*	19.08*d.*
9.0*d.*	6.93*d.*	3.0*d.*	2.24*d.*
11.5*d.*	10.25*d.*	6.0*d.*	2.43*d.*
9.0*d.*	6.95*d.*	9.0*d.*	12.15*d.*
6.0*d.*	4.02*d.*	3.0*d.*	3.13*d.*
13.0*d.*	10.77*d.*	3.0*d.*	2.05*d.*
15.0*d.*	12.33*d.*	7.5*d.*	5.30*d.*
6.0*d.*	4.47*d.*	15.0*d.*	8.80*d.*

These include twenty-five mixtures, lotions, liniments, etc., three powders, one ointment, one pill, three capsules and palatinoids, three tablets, two plasters, and two suppositories. For the whole of these the 1915 prices show 288.5*d.* for drugs and 92.0*d.* for fees, or 380.5*d.* together. The 1916 figures included 183.88*d.* for drugs and 110.4*d.* for fees, together 294.28*d.*, or a loss of 86.26*d.* altogether, or, as the Committee say, "the proposed Drug Tariff gives 7*s.* 2½*d.* less for the forty prescriptions, or 2.15*d.* less per prescription, which is almost 23 per cent." Finally, in Appendix VII. are given particulars of 1,306 consecutive prescriptions priced according to the Departmental Committee's scale of dispensing-fees (omitting the 0.8*d.*), and also according to the present Drug Tariff scale and the proposed Scottish scale. These show that the dispensing-fees by the present Tariff amount to 12*l.* 0*s.* 8*d.*, and by the Scottish Tariff to 22*l.* 5*s.* 10*d.*

WALES.

Regulations.—The Insurance Committees' Consolidated Regulations (Wales), 1916, have been issued as No. 616 of Statutory Rules and Orders, 1916. In eight parts fifty-nine regulations are included and eight schedules. The second of the latter is a list of counties and county boroughs in Wales, showing the population of each district, number of members on Insurance Committees, and the number of representatives of insured persons.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated

93/35. "Camphoid."
93/35. "The Slow" or "Theslow" breathing strap.
93/37. H. Brient of Paris, maker of "Parfumerie Arabi."
93/35. Anti-vermin necklaces.
95/5. "Four Medal" drop perfume.
95/6. "Bonem," used as a substitute for guaiacol carb. in the treatment of tuberculosis.
95/60 Holloway & Newall's address

Observations and Reflections.

By Xrayser II.

Mr. Charles Roberts, M.P.,

says that he is still "in the midst of communications with the Pharmaceutical Society," and can tell us nothing definite about the revision of our contracts. Now, it is close upon twelve months since Mr. Roberts's historic interview with the deputation of the Executive Committee. He did not lose much time on that occasion, but neither he nor the Society appears to have been in any hurry since. Mr. Roberts can afford to dally, but we cannot. "In the midst" is a phrase not always meant literally nowadays, but it still connotes being, as we say, "in the thick of it," and it gives us little hope of an early issue of these communications. But such an issue we must have, or run the risk of a sudden ultimatum like that of last year—unless, that is, the Society, finding it impossible to "speed up" Mr. Roberts, takes us at once and frankly into its confidence as to the trend of the communications referred to. Up to the present they have been of the nature of that secret diplomacy which may commit a people, without their own knowledge, to some momentous and possibly fatal course. Nothing can well be worse for us than the betrayal of last October, but we shall be fools indeed if we allow ourselves to be "bitten twice by the same dog." Why do we not let the Society know that if we are not consulted in time for a full consideration, we shall, whatever our fate as N.H.I. dispensers, cut off our connection with the Square?

The One-man Business

is the business which suffers most from the absence of the proprietor, and the peculiar hardship of sending such men into the Army has up to the present been officially recognised. The protection hitherto afforded them has indeed been only partial, but even this measure of consideration is now in danger of being reduced to the vanishing-point. The Central Tribunal has stated that considerable reduction of income (which it is admitted might follow the loss of personal management) will not necessarily be accepted as evidence of "serious hardship," and that it must be recognised that the proprietor's place can be supplied by relatives or friends. To this is added the remark that businesses which have had to be "closed down" may possibly be revived after the war. If Tribunals act on these assumptions no small business is safe. For most of them any considerable reduction of income would mean total ruin, which would be very rapidly accelerated by amateur management, and the prospect of revival after the war is a mere dream. In face of the fact that many chemists and druggists, and some even of those who are under N.H.I contracts, have been refused exemption, or have been granted it for short terms only, the danger is one to which we are all to some extent exposed, and a strong protest ought at once to be made by the Pharmaceutical Society. For us it is, generally speaking, impossible to obtain legally qualified substitutes, but this fact is one which many Tribunals obstinately refuse to see, and it affords us no efficient safeguard against being confounded with the greengrocer and general dealer.

The Medical-charm Exhibition

at the Wellcome Museum should attract many visitors, and I propose to myself the pleasure of being one of them. Though it can hardly be an exhaustive collection, it must be a very interesting one, and it will doubtless be added to as time goes on. The subject of medical folk-lore, if adequately treated, would fill volumes, and require a whole block of buildings for the home of such a collection as would completely illustrate it. Even confining ourselves to London, we might fill, I suppose, more than the six cases occupied by the present collection, for the folk-lore of our metropolis is fed continually by that of the whole country and Empire. I have met here with superstitions I had been familiar with as a child in a Midland village, and had thought to leave behind me when I put away childish things. The persistence of such superstitions even in a comparatively well-educated community is wonderful, and there is, as Sam Weller said of his stepmother's death, a Providence in it. Many of these old remedies, in which there can be no intrinsic virtue, are frequently followed by at least temporary "cures," and many others are occasions of profit to more or less honest folk. It is news to me, by the way, that acorns are supposed to be a protection from lightning, and the reason for it given in your note on this Exhibition is a rather curious one. It smacks of homœopathy. In English folk-lore generally it is the ash that is peculiarly liable to be struck by lightning. There is an old rhyme, "Avoid the ash, It courts the flash." The oak occupies an ambiguous position in this respect. Shakespeare more than once singles it out for mention in connection with thunder, and Rapin in his poem on Gardens does the same, but in many countries it is regarded as protective. The old myth of its origin, which Rapin repeats at length, may account for both notions. Jupiter, in his war with the Titans, struck a company of them with lightning, and from their ashes the first oaks sprang. The god took them under his patronage, and for some reason or other the oak is dedicated to the god of thunder in most mythologies.

The Dirty-bottle Difficulty

is susceptible of a third solution which is preferable to that of either of your correspondents. To refuse curtly to clean a bottle and to decline an order on that ground is the worst of all possible courses in the majority of cases, and it is not always worth while, though often it may be so, to clean a bottle before using it. Much depends on the order, more on the state of the bottle, and still more on the customer. But there is one course which is almost equally suitable in all cases. It is to explain to the customer that the bottle is not clean, that the most you can do towards cleaning it is to rinse it out, and that you will not be responsible for any result that may follow if it is used. This can be done quite pleasantly, there is virtually no trouble involved, and you cannot be blamed if the result is not satisfactory. How many of our "difficulties" are mainly of our own creation!

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Mr. John Black, chemist and druggist, Aberdeen, was not a candidate for a Council vacancy, his name having been mistaken for that of another person.

Mr. Somah Sachs, Pretoria, is returning to South Africa by an early steamer. Mr. Sachs arrived here a year ago, studied under Mr. Duncan in Edinburgh, and passed the Minor examination in July.

Mr. George P. Pond, chemist and druggist, 68 Fleet Street, London, E.C., was interviewed by the "Daily Graphic," and his reminiscences, with an excellent portrait, appeared in our contemporary on September 30.

Mr. Isaac Henry Evans, chemist and druggist, Woodlands, Lymm, Cheshire, who died on June 10, aged eighty-six, left estate valued at 7,276*l.* gross and 6,608*l.* net. His son, Mr. Frederic Ernest Evans, pharmacist, Woodlands, has obtained probate.

Mr. J. R. Huck, chemist and druggist, Station Road, West Auckland, co. Durham, is the inventor of a submersible float which is suitable, among other purposes, for use as a gun-raft. A description of it appeared in "The Railway Supplies Journal" for September.

Mr. W. H. Whittock, local superintendent and director of Boots Cash Chemists (Western), Ltd., and Treasurer of the local Congregational Board, is taking a prominent part in the Autumnal Assembly of the Congregational Union of England and Wales held in Birmingham this week.

Mr. G. R. Fogg, the London representative of Henry C. Quelch & Co., 4 and 5 Ludgate Square, London, E.C., is joining the Colours on October 6. It has been arranged that his wife will take over his duties in calling on London customers, who will be sure to appreciate her pluck in taking on such exacting duties

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Editorial Articles.

Insurance Dispensing.

A Year Ago, when the representatives of chemists in England were considering the terms for dispensing Insurance prescriptions based upon the report of the Departmental Committee, chemists in Scotland, through the Pharmaceutical Standing Committee there, declined to go on with the work after December 31, 1915, on the terms which chemists in England and Wales accepted on the recommendation of the Pharmaceutical Society. Ultimately Mr. Charles H. Roberts, M.P., gave in, and came to the following agreement with the Pharmaceutical Standing Committee (Scotland):

1. The existing agreements with chemists to be renewed for 1916, on the understanding that there will be no alteration during the year of terms and conditions, other than the monthly adjustment of the prices of drugs affected by the abnormal conditions now prevailing; provided that the War Clause set out in I.C. 201 (Scotland), as explained in the body of that circular, shall be operative during the last six months of 1916.

2. The Pharmaceutical Standing Committee (Scotland) to undertake by 31st August, 1916, to furnish to the Scottish Insurance Commissioners a report on their objections to the new proposals, embodying evidence on the points as to which they are at issue with the recommendations of the Departmental Committee.

The General Council of Panel Chemists acts for the Pharmaceutical Standing Committee referred to, and on August 30 it approved of the draft report which had

been prepared by the Standing Committee, and issued the following excellent summary:

"It was unanimously agreed to report to the Insurance Commissioners that Scottish panel chemists adhere to the position taken up in the memorandum on behalf of Scottish panel chemists on 25th May, 1915, and the relative clauses in the memorandum and appendices of the Pharmaceutical Society of Great Britain of 10th March, 1915, and to the general purport of the evidence submitted in connection with these memoranda. Also, that on a very careful examination, Scottish panel chemists are convinced that the proposed Drug Tariff is financially unsound and cannot be accepted. The establishment-charge for a dispensing business is so variable that no general flat rate would be reasonably fair to each chemist. The flat rate, 0.8*d.* per prescription, is about 66 per cent. less than the balance resulting by deducting cost of materials and dispensing-fees from the price of a prescription under the present Drug Tariff. The proposed scale of dispensing-fees works out in practice at about 14 per cent. less than the present Drug Tariff scale. The Scottish scale of dispensing-fees is about 88 per cent. higher than the present Drug Tariff scale of dispensing-fees. These facts suffice to make it out of the question to accept the Departmental Committee's scale of dispensing-fees. The price for drugs by the Departmental Committee's Tariff (including the 0.8*d.* per prescription) is about 24 per cent. less than the present Drug Tariff yields. Under every head the proposed Tariff shows a reduction, and the Departmental Committee's proposals mean a reduction of not less than 20 per cent. in the payments received for medicines and appliances. Therefore they cannot be accepted. All this is substantiated by statistics, in the compilation of which the Standing Committee and the General Council of Panel Chemists desire to gratefully acknowledge the very valuable work done by those pharmacists who sent in returns. . . . There is an honourable understanding with the Scottish Insurance Commissioners that existing arrangements shall continue till the end of the war."

We report on p. 40 that the Scottish Insurance Commissioners, Mr. Roberts concurring, have agreed to continue the existing arrangements in Scotland during 1917. This is a weighty decision, for it practically admits the correctness of the Scottish statement and the righteousness of the position taken by dispensing chemists in Scotland, while it proves that the arrangements made on behalf of dispensing chemists in England and Wales are bad. We may recall the fact that prices paid in Scotland by Insurance Committees for drugs are the wholesale prices *plus* a profit of one-third on the cost, and to the prices of all the ingredients in a prescription is added a dispensing-fee. In England and Wales the prices allowed for the ingredients of a prescription are the wholesale cost prices reckoned to decimal fractions, and to the amounts are added an establishment-charge of 0.8*d.* (supposed to cover outlays, labour, rent, etc.) and a dispensing-fee, so that the profit is limited to the fee. It is now demonstrated by the Scottish Committee that the establishment-charge represents only a fraction of the outlays incurred by chemists, the Scottish estimate being 2*d.* Therefore the English dispensing-fees include in every case 2*d.* outlay, besides expenditure incurred in handling the medicines. Independent of that, the Standing Committee prove that the 1916 Tariff, which they did not adopt but which English and Welsh chemists did, gives 24 per cent. less return than the Scottish Tariff. We consider that dispensing chemists in Scotland have done great service to those in England and Wales, because they prove how badly Insurance-dispensing is paid on the south side of the Border.

Cocaine for Dental Purposes.

The Home Secretary notifies that the permission given to unregistered persons practising dentistry to purchase preparations containing 0.1 per cent. or more of cocaine has been extended to October 31, after which date the possession and use of such cocaine preparations by unregistered practitioners will be illegal. The official notice states that

"Novocain is now being manufactured commercially in this country and is available in a form suitable for dental use through the ordinary channels of supply. Orders for novocain should be placed well before the 31st October. If postponed till near that date there will be some unavoidable delay in attending to them. Unregistered persons will also be able for purposes of local anæsthesia to make use of eucaine, which is now being manufactured in this country and can be obtained through the usual channels in the form of dental preparations. Orders for eucaine preparations should also be placed at once so that manufacturers may have ample notice of the supplies that will be required."

A month ago we called the Home Secretary's attention to the position of chemists and druggist and registered druggists in Ireland under the terms of the Regulation of July 28 (*C. & D.*, August 5, p. 34), Section (7) of which provides that an authorised person includes those entitled to carry on the business of a chemist and druggist. We were unable to state whether or not a registered druggist could be regarded as an authorised person. We submitted the whole matter to the Home Office, and as the result we are now informed that

"the Home Office are advised that a person who is registered under the Pharmacy Act (Ireland), 1875, as amended by the Pharmacy Act, 1890, as a chemist and druggist or as a registered druggist is an 'authorised person' within the meaning of Regulation 40B of the Defence of the Realm Regulations."

It will be observed that this refers solely to the Cocaine Regulation, and it means that registered druggists do not require to ask the Home Secretary's permission to obtain cocaine.

The Shellac-market.

Since the announcement by the Ministry of Munitions in regard to shellac the market has shown pronounced weakness, and, taking the spot price of TN Orange quality as a basis, the decline since the statement was issued amounts to about 18*s.* per cwt., while for October and December deliveries the fall is about 20*s.* and 23*s.* per cwt. respectively. Speculative operations have been curtailed, and until a further official statement is made the market is likely to remain uncertain. It would appear that until recently the Government had been a consistent buyer on the London market, but when they found the prices steadily rising against them they withdrew their support and issued their announcement. It would, of course, be quite an easy matter for the British Government to act in conjunction with the Indian Government and obtain their supplies in Calcutta, and it is possible that a stricter control of Indian exports will be exercised. In fact, "The Times" correspondent at Simla telegraphed on September 26:

"The greatest vigilance is exercised regarding the destination of shellac shipments, and exports outside the Empire are permitted only under licence to approved consignees."

The United States has been a comparatively large buyer this year, her imports having been 170,200 cwt. for the eight months ended August, whereas the United Kingdom received 64,000 cwt. only. It is evident that a more careful scrutiny of the Indian exports is needed.

Trade Notes.

Fine Chemicals.—W. Martindale, manufacturing chemist, 10 New Cavendish Street, London, W., makes a number of special offers of fine chemicals in an advertisement in this issue. The list is worth studying, as prices are given.

The Chymol Co., Ltd., are having a big autumn newspaper advertising scheme for Chymol which is going ahead so well that chemists who do not carry stock should write to the company at Atlantic House, Holborn Viaduct, London, E.C., for particulars.

Antipon.—The minimum retail prices of antipon are the subject of an advertisement in this issue. The face values have been increased to 3*s.* and 5*s.* per bottle, with the minimum prices at 2*s.* 8*d.* and 4*s.* 6*d.* The wholesale prices are to be increased next month.

British Lanoline.—Since writing a recent note regarding the products of the British Lanoline Co., Leicester, we have received samples of the hydrous and anhydrous lanoline. These show considerable advance on previous specimens, the hydrous lanoline being of the pale lemon colour usually associated with this product. The samples well reflect the result of the past two years' experience in the manufacture.

Gazette.

Partnerships Dissolved.

Reeve, T. L., and Oldershaw, J., chemists and druggists, New Street, Birmingham, under the style of T. L. Reeve & Oldershaw.

Rodatz, W. J., and Beadel, J. S., 18 Water Street, Liverpool, chemical and colour merchants.

Bankruptcy Acts.

Receiving Order and Adjudication.

Moyle, S. C., 7 The Arcade, Bournemouth West, chemist.

Bankruptcy Report.

Re William Robert Scott, 139 Denton Street, Carlisle, Chemist and Druggist.—The public examination of this debtor took place on September 27. Replying to the Official Receiver, the debtor stated that since the war began his business had seriously declined, and he resorted to moneylenders to maintain his credit. The Official Receiver observed that debtor had borrowed 299*l.* from moneylenders, had repaid 231*l.*, and still owed these men 182*l.*, so that he had practically been paying the moneylenders 38 per cent. Debtor said he would go to the workhouse before he borrowed from anybody again.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

A. T. Jones (Hull), Ltd. (P.C.).—Capital 50,000*l.* Objects: To carry on the business of seed-crushers, manufacturing chemists and druggists, etc. The first director is A. T. Jones. R.O., Morley Street, Hull.

Edgar Kenyon, Ltd. (P.C.).—Capital 500*l.* Objects: To take over the business of a drysalter, produce-broker, chemical merchant and agent carried on by E. Kenyon at 5 Carr Street, Blackfriars Street, Manchester.

British General Tar Products, Ltd. (P.C.).—Capital 50,000*l.* The first directors are A. Woolley Hart, A. V. Derry, H. J. W. Laverick, C. A. Murray, and F. Woolley Hart. Solicitors: Nicholson, Graham & Jones, 24 Coleman Street, E.C.

G. A. Mallinson, Ltd. (P.C.).—Capital 1,500*l.* Objects: To carry on the business of chemists, druggists, drysalters, etc. The superintendent for the time being of the company's business shall, while holding such appointment, be a director without qualification. R.O., 6 St. Mary's Gate, Manchester.

Bye-Products and General Trading Co., Ltd. (P.C.).—Capital 500*l.* Takes power to trade as chemists, druggists, dealers in chemicals and drugs, druggists' sundries, etc. The first directors are R. Johnson, H. E. Harwood (managing director), and A. Reason. Solicitor: C. Crowther, 23 Abingdon Street, Westminster.

Taylor's Drug Co., Ltd., have declared a dividend at the rate of 6 per cent. per annum on the preference shares for the half-year to September 30.

Evans Sons Lescher & Webb, Ltd.—The warrants for half-year's dividend on the 5 per cent. cumulative preference shares of this company were posted on September 30.

Society for Chemical Industry, Basle.—The report proposes a dividend of 24 per cent., against 16 per cent. last year. Before the war the average dividend was about 12 per cent.

Burgoyne, Burbidges & Co., Ltd.—At a meeting of the directors held at East Ham on October 3, the following members of the staff were appointed sub-directors: Messrs. A. M. Cheyne, W. Crawford, W. C. Harris, C. P. Winchester, and W. I. Beckley (Secretary).

Dr. S. Judd Lewis, Ph.C., F.I.C., as a member of the Southwark Borough Council, submitted a motion at the last meeting of the Council for the promotion and encouragement of industry and manufacture in this country. It was referred to the General Purposes Committee.

Pharmaceutical Society
of Great Britain.

Council-meeting.

The monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on October 4. The Councillors present were Mr. E. White (President), Mr. E. T. Neathercoat (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. F. E. Bilson, A. S. Campkin, J. H. Cuff, W. L. Currie, J. W. Deakin, F. J. Gibson, R. L. Gifford, C. E. A. Goode, T. Guthrie, A. Hagon, J. Keall, L. M. Parry, P. F. Rowsell, F. P. Sargeant, H. Skinner, and J. R. Young. Mr. W. S. Glyn-Jones (Parliamentary Secretary) was also present.

The late Mr. Allen.

The minutes of the last meeting having been read and confirmed,

The President referred to the death of Mr. C. B. Allen, past President of the Society, which occurred at Weston-super-Mare last week. The funeral took place on Tuesday, October 3, Mr. P. F. Rowsell representing the Society. The President reminded the Councillors that Mr. Allen was up till recently a member of the Council. He was first elected in 1885, and held office, with a short interval, until his retirement a year ago. He held the office of Vice-President, and was President in 1912-13. It was hoped that the rest which his retirement brought him would have restored his health. Besides his work on the Council, Mr. Allen was closely associated with matters of purely trade interest, such as the Proprietary Articles Trade Association and Chemists' Defence Association, and in all these matte he brought to bear sound common-sense. He was beloved because his manner disarmed criticism and made one feel that his opinions were genuine and the result of conviction. The President proposed the following resolution:

> That the Council learns with profound regret of the death of Charles Bowen Allen, a past Vice-President and President of the Society, and one of the most respected workers and leaders in the world of pharmacy. His former colleagues recall with gratitude and pride his thirty years of service on the Council, his four years' period of office as Vice-President, his two years' tenure of the presidential chair, and his lifelong devotion to the highest interests of the profession he loved. The Council desires to place on record its high appreciation of Mr. Allen's work as a pharmacist and his character as a man, and tenders its sincere sympathy to the members of his family in the bereavement they have sustained.

The Vice-President seconded the resolution. He said that when he (the speaker) passed the Minor Mr. Allen presided at the Board of Examiners. This brought him into personal touch with Mr. Allen at the commencement of his pharmaceutical career, a connection which remained to the end.

Mr. Rowsell mentioned that he attended the funeral as representing the Council. There was, he said, no man for whom he had a greater respect than Mr. Allen. Commencing his pharmaceutical life at thirteen, he gave fifty years' service to pharmacy, and had only retired from active service for twelve months. Mr. Rowsell added that he considered as he laid the wreath of very fragrant flowers on Mr. Allen's grave that by their freshness and brightness they fittingly symbolised his life Pharmacy has lost one of the most remarkable men which it has produced in the last fifty years.

Mr. Young, Mr. Keall, and Mr. Currie also spoke, and the vote was put and carried in silence, all the members upstanding.

Other Deaths.

The President referred to the death of Sir Thomas Lauder Brunton, an honorary member of the Society, who in 1893 delivered the address at the opening of the session of the School of Pharmacy. He was well known in every walk in life and received many honours. The death of Mr. S. R. Anness, Ph.C., Ipswich, was also mentioned, and in this connection

Mr. Campkin, as one who enjoyed his friendship, bore testimony of the useful life Mr. Anness gave in the public service. He was a member of the Board of Guardians for forty-one years. Mayor in 1893, and a Justice of the Peace. He was one of the oldest pharmaceutical chemists on the register.

Elections and Restorations.

The election then took place of twenty-one members and nineteen student-associates. Forty-nine persons were

restored to their former positions in the Society, and five persons were restored to the Register of Chemists and Druggists. The Secretary also reported that he had registered seventy-six apprentices.

Correspondence.

The National Council for Combating Venereal Diseases asked the Society to appoint a second representative resident in London to serve upon the National Council. The President (Mr. White) consented to serve.

The Duke of Devonshire wrote thanking the Society for their services in connection with dispensing for the dependants of sailors and soldiers. The work of the Society in pricing a million prescriptions and in other ways had been much appreciated by the Naval and Military Dependants (Medical Treatment) Committee.

The Pharmacists' Volunteer Training Corps asked for permission to use the Society's examination-rooms for lectures on bacteriology on Wednesdays and Thursdays for three months. This was granted.

The Liverpool Pharmaceutical Committee expressed regret at the retirement of Mr. Glyn-Jones from Parliamentary life, and hoped for his quick restoration to health. Appreciation of his services to pharmacy was also expressed.

The County of Surrey Pharmaceutical Committee, referring to the proposed new clause in the dispensing contract for 1917 providing for the sampling of Insurance dispensing, protested against the inclusion of stock mixtures, as it is not possible to guarantee the quantity dispensed of these mixtures.

Finance Committee.

The Secretary then read the report of the Finance Committee, which sat on the previous day:

The receipts of the General Fund since the last meeting were 1,959*l.* 9*s.* 2*d.*, made up as follows: Penalties and costs, 68*l.* 4*s.* 4*d.*; "Journal," 60*l.* 1*s.* 2*d.*; B.P. Codex, 28*l.* 10*s.* 8*d.*; subscriptions, 134*l.* 18*s.* 6*d.*; registration fees, 128*l.* 2*s.*; restoration fees, 3*l.* 3*s.*; loan from Benevolent Fund, 500*l.*; dividends, 54*l.* 4*s.* 5*d.*; rent of room, 6*l.*; election of Pharmaceutical Committees, 14*l.* 12*s.* 7*d.*; certificates of qualification, 5*l.*; sundries, 26*l.* 11*s.* 7*d.*; examination fees, 431*l.* 11*s.* After deducting the payments ordered at the last meeting there remained a balance of 78*l.* 12*s.* 9*d.* It was recommended that payments be made amounting to 1,433*l.* The balances on the Benevolent Fund were: Current account, 100*l.* 5*s.* 9*d.*; donation account, 112*l.* 10*s.* 11*d.*; Orphan Fund, 64*l.* 17*s.*

The Treasurer moved the adoption of the report, which was carried. Resolutions authorising payments of scholarship moieties were also passed.

Benevolent Fund Committee.

The report of this Committee was read, in which it was recommended that grants amounting to 130*l.* be made to seven applicants. Statistics were also given regarding the number of annuitants and the state of the Fund. It was recommended that there be elected without a contest one additional annuitant at 50*l.*, two at 40*l.*, and two at 20*l.* The persons selected for the annuities were Mrs. Hastings, Mr. Vizer, Mr. George, Mrs. Hanbury, and Mrs. Learoyd. The formal election will be held on December 12.

Mr. Bilson moved the adoption of the report. He mentioned that Secretaries of local Pharmaceutical Associations are to be asked whether they would be prepared to receive a collecting-box which could be placed before members at the Association meetings. Mr. Bilson also announced the receipt of a legacy of 500*l.* from the estate of the late Edward Pritchard, a donation of five guineas from the Birmingham Pharmaceutical Association, an anonymous donation of 52*l.* 10*s.*, and two amounts the proceeds of boxes at weighing-machines.

Mr. Deakin seconded the adoption of the report.

Mr. Young recommended that when relying on voluntary contributions at weighing-machines it is better not to mention an amount; people then give mostly 3*d.*

Mr. Hagon gave particulars of the method of weekly collection in vogue at Cardiff.

Mr. Bilson mentioned that thirty-eight collecting-boxes had been sent out, but from many of these no return was obtained. He hoped to get 200*l.* from the system of collecting at Pharmaceutical Associations.

The report was adopted.

Other Committees.

The report of the Library, Museum, School, and House Committee was submitted and adopted.

The report of the Parliamentary and General Purposes Committee included the Secretary's statement on the Patent Medicine Committee's report, which was deferred till the next meeting. It was also reported that Messrs. S. F. Body and S. N. Pickard had been co-opted members of the Local Associations Executive in place of Messrs. Cussons and Wolff, who have retired. The Sub-Committee appointed to meet Mr. C. H. Roberts, M.P., reported. The Liverpool Pharmaceutical Committee called attention to a circular sent out by the Panel Committee urging practitioners to prescribe stock mixtures in order to obtain part of the "floating sixpence." It was resolved to call the attention of the Commissioners and the Liverpool Insurance Committee to this. The Essex County Association asked the Executive to use its influence to induce the Chemists' Defence Association to start a Veterinary Section in defence of agricultural chemists' interests. The Chemists' Defence Association is to be communicated with.

Parliamentary Representation.

We have since the meeting received the following note of business transacted in Committee:

The Council received a Report of the Committee appointed to consider what steps should be taken to secure efficient Parliamentary representation in the future in view of the decision of Mr. Glyn-Jones, M.P., not to seek re-election. It was resolved that it would be in the interests of pharmacy that the Secretary should seek a seat in Parliament, and that he should be regarded as the Society's official candidate. That in addition appropriate assistance should be given to such other pharmacists as may become candidates subject in each case to the approval of the Council and of satisfactory arrangement being made. That in view of the foregoing policy the importance of augmenting the Society's Parliamentary Fund should be urged upon the pharmacists throughout the country.

Mr. W. J. U. Woolcock.

Opening of the Session.

The seventy-fifth session of the School of Pharmacy commences now, and there was an excellent attendance of members and their friends in the lecture-theatre, 17 Bloomsbury Square, on Wednesday afternoon at three o'clock. The majority of those present were women, but the sterner sex was also well represented, among those present being, besides members of the Council, the following: Messrs. Alan Francis, R. R. Bennett, Harold Deane, G. Claridge Druce, E. H. Farr, F. W. Gamble, J. P. Gilmour, W. F. Gulliver, Charles Alex. Hill, W. S. Glyn-Jones, M.P., F. Harwood Lescher, T. Edward Lescher, Thomas Maben, Alexander MacDonald, Peter MacEwan, A. R. Melhuish, R. F. Roper, and W. Philip Want.

An Historic Occasion.

The President, having referred briefly to the historical occasion of the meeting, called upon the Dean of the School (Professor Greenish) to report on the past session. Professor Greenish said that last session the average of seventy students was reduced to thirty-eight who entered, but three left to join the Colours. Out of the thirty-five who remained thirty had entered for and passed the examinations. He referred to some of the more important events of the session, mentioned also the post-graduate successes, and used words of liberal praise in respect to the women who had distinguished themselves. Mr. W. R. Pratt, one of the teaching staff, had resigned in order to take a position in the manufacture of synthetic drugs, and all good wishes of students and teachers went with him in his new sphere of work. Professor Greenish also mentioned that three students last year had laid down their lives in the war. Of the twenty-nine students who have entered the school now, fifteen are women and fourteen men. He also mentioned the names of those who had received awards at the school, as reported in the *C. & D.*, May 6, p. 40, and July 8, p. 44.

The President considered the report to be highly satisfactory. The Council had been much concerned, he said, about what they should do in regard to the school at a time like this, and he felt sure that in deciding to carry on they were justified by such results as these that had been stated by the Dean.

The successful students were then called up, but it frequently happened that the President had to say, "On active service," in respect to the men. Miss Doris Gregory, Mr. C. W. Thorpe, Miss Marie M. A. Morgan, Miss Ethel Thomas, and Miss Ella Caird were among those who were able to be present to receive their awards.

The Herbarium Competition

was then reported on by Mr. E. M. Holmes, who gave particulars about three herbaria that had been sent in, two by pupils of Miss M. E. Buchanan (whose services to pharmacy he praised), and he spoke appreciatively of the value of each of the herbaria. Miss Erna M. E. Bolin received a silver medal for her splendid herbarium of 135 specimens, many of which were accompanied by beautiful drawings. Miss Constance E. Pearson received a bronze medal, and Mr. R. S. Ridgley (Cambridge) a certificate of honour. The two ladies were called up by the President, and he mentioned that Mr. Ridgley is now on active service.

Council Prizes.

Mr. Hampshire reported upon the examination held in April. There were five candidates, but two only of them took marks entitling them to prizes—namely, Miss Ella Caird, who received the Pereira medal, and Mr. W. H. Linnell the Council's silver medal. Mr. Hampshire regretted that none of the examination-papers showed that the candidates had the supplemental knowledge of the subjects which is gained by perusal of current literature.

The President, in calling Miss Caird to receive her award, explained that the prizes are not limited to the school, although in this case two scholars from it had taken the awards. Mr. Linnell is on active service.

Jacob Bell Scholarships.

The Secretary read Mr. Tickle's report on these, which was to the effect that of the nine candidates seven were examined in London and two in Manchester. Two-thirds of the candidates gained marks sufficient to entitle them to awards, and the Bell Scholarships had been awarded to Mr. Barradale W. Melhuish and Miss Elsie M. Reade, both of whom were called up to receive the present of books that is given to Bell Scholars. Miss Reade appeared in the W.V.R. khaki uniform and saluted the President, who also stated that the Council had decided to award the Manchester Scholarship to Miss Williamson, of Preston, who was the third on the list and conformed to the scholarship conditions. He congratulated her on the award, and when she came up said that this was a proud moment for her father, whom many knew as a sound pharmacist.

The President also intimated that the Redwood Scholarship had been awarded to Miss Caird and the Burroughs Scholarship to Mr. Baines. He then proceeded to deliver

The Inaugural Address.

In opening, Mr. White hoped that there would be no undercurrent of disappointment because the address was not being delivered by a distinguished medical or scientific man. This was the seventy-fifth anniversary of the school, and the Council thought it was appropriate that the President should deliver the opening address, just as the President, Mr. Michael Carteighe, had done on the fiftieth anniversary. He proposed to refer to pharmaceutical education as it was, as it is, and as it may be in the future. Since he entered the school, thirty years ago, he had always been associated with it in one capacity or other, and with the official work of the Society. The founders of the Pharmaceutical Society had less doubt and greater boldness than we possess to-day, and the existence of the school is a witness of this. Seventy-five years ago the school was inaugurated. There were three lecturers—Thomson, Fownes, and Redwood—who lectured on botany, chemistry, and materia medica and pharmacy respectively at 8 and 8.30 in the morning. The course was from October to April and the fees were half-a-guinea for each subject. Since then numerous schemes for a compulsory curriculum had been proposed, but these all met with opposition both within and outside the Society. It seemed to the speaker that any scheme of education must have regard to four things: (1) The facilities for education provided throughout the country; (2) the possibility of attracting the right class of pupils; (3) the adaptation of pupil's education to the actual requirements of existing conditions in pharmacy; and (4) provision for future development. The schemes for compulsory curricula have usually followed this order: A Preliminary examination, training in pure science, pupilage in pharmacy, curriculum of professional studies, and Final examination. Everyone was agreed that the Preliminary examination ought to be passed before the pupil leaves school, but the educational courses usually adopted reverse the order just referred to, one reason being that in the past there had been few opportunities for scientific study except in favoured centres, and another was the association of prescribing and dispensing in the doctor's surgery. The doctors have kept up dispensing because evolution has thrown it into their hands from the time when the apothecaries kept an open shop. The apothecaries got swelled heads and wanted to be doctors, and the doctors' shops came down with them. The shops have almost passed away, but the dispensing remains largely in the hands of the doctors. The time had come when prescribing should be entirely separated from dispensing. The influence of the past had affected all educational schemes. If every pharmacist had been mainly employed in dispensing there would have been less opposition to schemes of advanced education. It was not till 1911 that there were any signs of a change, but in that year the State recognised qualification under the Pharmacy Acts as the hall-mark of men properly trained and able to dispense under the Insurance Act. The Board of Education now regards the School of Pharmacy as a technical institution entitled to public grants, which is very satisfactory both to members and to intending students. As regards the war, the Society had through its officers and members been able to advise the War Office, the Home Office, the Local Government Board, the Board of Trade, the Board of Agriculture, and other Departments concerned with drugs, chemicals, and herb-growing. As to the future, the conditions to-day are different from the past in that (1) we have a large number of technical institutes throughout the country where teaching in science is carried on at the public cost; (2) separation of prescribing from dispensing will become more or less complete; and (3) the war. The technical institute has some bearing on the possibility of scientific education being obtained before or during pupilage. If the chemist is put in possession of his true professional occupation the public will have a right to demand that he shall receive a proper education; on the other hand, it would be ridiculous to prolong the course of study if pharmacists are not to be given dispensing. Whatever changes may take place the fullest credit should be given the founders of the Pharmaceutical Society for the work they did in compiling the best form of education possible in the circumstances. The Society had probably spent over 100,000*l.* on the training of pharmacists since the establishment of the school, and that sacrifice had not been in vain. The President then referred to a possible change in the conditions of education after the war, and to the possibility of pharmacy forming part of a Department of Public Health. He had thought of giving some outline of his views for the future, but he hesitated to do so in face of the upheaval that is bound to come after the war. They had never yet formulated a scheme which was not subject to opposition, partly internal and partly external. They had only to refer to the 1908 Pharmacy Act to see what this meant. In one clause they had the power to introduce a compulsory curriculum with a view to raising the standard of examination, and in another clause they had power to admit to the register two classes of people who might not have complied with even one of the conditions laid down for the examinees of the present day. They would have to make some changes in their syllabus, he said, and they must recognise that the treatment of disease by drugs is rather under a shadow. In bygone years routine treatment was always resorted to, and certain drugs were given for certain diseases. Now we are told that these things are of no value whatever, and that such treatment is simply a form of insidious quackery. We have to-day treatment by sera and antitoxins, and by physical means—light, heat, and electricity. The Pharmaceutical Society must recognise that there are other medical agents than materia medica, and his view was that they should be pioneers in this new work. The President closed his address with a few words to the students who were this session joining the school. He urged them to take the fullest possible advantage of their opportunities, and also to remember that when they have passed their exami-

Mr. Edmund White, Ph.C., B.Sc., F.I.C.

nations they will only be standing at the threshold of their career. Unless they continue students during their whole career they will undoubtedly fail to attract the full value of their early training. He also appealed to them to take an active part in the affairs of the Society during their business career, and to remember that each of them was potentially a member of the Council, and possibly a President of the Society.

Vote of Thanks.

Mr. F. Harwood Lescher, in moving a vote of thanks to the President, said he belonged to a past day when the men had no competition from the ladies. Then they stopped at home and did some work with Berlin wood—(oh, oh!)—leaving pharmacy to the men. With munitions and study he was not sure that the women to-day had not far happier lives than they had in bygone times. Referring to the President's address, *nihil quod tetigit non ornavit*—Mr. White touched nothing that he did not adorn. Mr. Lescher was sure that the future of pharmacy would be far more brilliant than it had ever been before, and he felt sure that the Society owed the President deep gratitude for the hard work he had been doing for the members. It was fortunate for the Pharmaceutical Society that they had such a President as Mr. White. (Applause.)

Mr. C. A. Hill (President of the British Pharmaceutical Conference), in seconding, said that in his review of pharmaceutical education Mr. White's address had been interesting in dealing with the past, illuminating as to the present, and suggestive as to the future, exercising in connection with all a breadth of view that they appreciated. (Applause.)

Mr. Lescher having put his motion, the meeting agreed to it by show of hands.

The President having acknowledged the vote, the company adjourned to the examination-hall for tea.

Associations' Winter Session.

Birmingham.—Mr. F. Smith (Hon. Secretary), of the Birmingham Pharmaceutical Association, has issued a circular regarding the system of out-patients' dispensing which is carried out by local chemists. The following regulations have been agreed upon by the authorities of the General and Queen's Hospitals with a view to placing the dispensing upon a more defined basis, and conducing to greater regularity in dispensing and pricing:

1. That prescriptions should only be dispensed in sufficient quantity to last the patient from the date of the prescription for the length of time indicated thereon, and should not be repeated further. The presence of a pharmacist's stamp on the prescription should be taken as an indication that the medicine has been so dispensed.

2. When medicated waters, infusions, and decoctions are ordered these should be dispensed from the concentrated preparations and made up with plain water (except where distilled water is necessary) and charged in accordance with such practice.

"Aqua" should be understood to mean plain water, and should not be charged for. (Aqua dest. should, however, be used when specially ordered or necessary, and charged for at the rate of ½*d.* for every 10 oz. or part thereof.)

The minimum charge for any ingredient of a prescription is ½*d.*

Then follows a list of prices for the various formulæ prescribed in the hospital Pharmacopœias.

Cardiff.—Mr. Fred Lea presided at a meeting of the Pharmacists' Association held at the Angel Hotel on September 26. The Pharmaceutical Society wrote as regards the supervision of dispensing in Cardiff institutions, but Mr. Leo Josephs explained how things are locally, and no action was taken. The matter of retail prices was discussed, also a P.A.T.A. letter regarding Wincarnis, which was held over. A discussion ensued regarding shop-closing. Mr. Poole moved that the hours be 7 P.M. on Monday, Tuesday, Thursday, and Friday, 1 P.M. on Wednesday, and 9 P.M. on Saturday. Mr. Eason wanted 8 P.M. on Friday, otherwise the same, and this amendment was agreed to. Mr. J. Lee Jones gave an account of the Association's Conference in London last May, and he was heartily thanked.

Chesterfield.—Mr. F. J. Houston presided at the annual meeting of the Pharmacists' Association at the Sun Inn on September 26, nine other members being present. The Hon. Secretary (Mr. J. H. Toplis) reported on the work of the past session. The financial statement showed a substantial balance to the good. Mr. Houston introduced his successor, Mr. G. D. Denwood, who took the chair and gave a brief address. The following honorary officers were elected: Vice-President, Mr. H. Smith (Claycross); Hon. Secretary, Mr. J. H. Toplis; Hon Treasurer, Mr. S. C. Greaves; Hon. Auditors, Messrs. Twelves and Dent; Committee, Messrs. Houston, Twelves, Wright, Furness, and Dent. The medical officer of health wrote about the danger of selling pennyworths of lump diachylon, and the members were unanimous in deciding to discontinue its sale absolutely.

Irish Assistants.—A meeting of the Irish Chemists' Assistants' Association was held at Moran's Hotel, Lower Gardiner Street, Dublin, on October 3. There were thirty-seven present. Mr. P. J. Coffey gave particulars of the organisation being carried out among the assistants in Limerick and Cork. Mr. MacNamara did not agree that it is desirable to identify the Association with trade unionism, the ethics of which movement are open to question on several points. The printed rules of the Association and cards of membership were distributed by the Hon. Secretary. A discussion then took place on wages and early closing.

London.—The preliminary announcement of the meeting of the North London Pharmacists' Association on Thursday afternoon, October 5, stated in regard to the 1917 Insurance dispensing: "We are not satisfied with the prospects, the details not yet being available, but we hope to have them by October 5, and we want your opinion."

Merthyr Tydvil.—The members of the local Pharmacists' Association, at a meeting on September 27 (Mr. V. A. Wills presiding), discussed very fully the position of dispensing chemists in respect to Insurance dispensing in 1917, and decided to forward the following resolution to the Pharmaceutical Society:

That the Pharmaceutical Society should immediately make known to the various local Associations the terms of agreement upon which the pharmacists of the country are invited to undertake N.H.I. dispensing for 1917, in order that ample time may be given for discussion of same.

Middlesex.—The annual report of the Committee of the Middlesex Pharmacists' Association states that the district Associations have vigorously maintained their reputation and the officers have visited all of them. The Federation of all Local Associations in the Home Counties has been a success and has justified its existence as a fighting force for betterment. Messrs. Coulter, Skinner, and Wolff were the delegates to the Local Associations' Conference called by the Pharmaceutical Council in London in May, and although "some good did result, it is felt that such conferences are too big and unwieldy for effective work, and that delegates sent by Federations rather than Associations would secure more tangible results. The Middlesex Association, as the leading reform county Association in the country, will doubtless work on these lines in future." The report also refers to military service and the death of Mr. C. J. G. Bunker. It is signed by Mr. Herbert Skinner, President, and Mr. Hugo Wolff, Hon. Secretary, 180 Philip Lane, Tottenham, N., who will be glad to send a copy to any County Association's Secretary who is interested.

Newport.—Mr. Gratte presided at a meeting of the Pharmacists' Association at the Shaftesbury Hotel, Newport (Mon.), on September 27. The Secretary (Mr. Findlay) and six members were also present. The Secretary reported having pressed for a settlement of 1915 Insurance scripts, but learnt that the Clerk of the Insurance Committee had been unable to get the matter adjusted by the Welsh Commissioners. It was decided to send a resolution to the Pharmaceutical Society, urging it to use its influence in obtaining more uniform treatment for chemists and their assistants under the Military Service Acts. It was pointed out that, according to reports in the *C. & D.*, assistants and apprentices were receiving conditional exemption in many places, but that in Newport a chemist-proprietor had to be satisfied with three months' exemption. Owing to severe competition in Newport, the proportion of chemists' shops to the population is below the average, and any further reduction of staff would make it difficult to give an efficient pharmaceutical service. A discussion on Insurance matters revealed general dissatisfaction with the pharmacist's position, and it was submitted that the Pharmaceutical Society, as an organisation for the betterment of the working pharmacist, had failed, and that the sooner it is scrapped and a Chemists' Union formed the better.

Northumberland.—At a meeting of the County Chemists' Association Committee held in Newcastle-on-Tyne on September 27, it was decided to summon a full meeting of county panel pharmacists on Wednesday, October 11, at 3.15 P.M., in the Church Institute, Hood Street, Newcastle-on-Tyne, to discuss the N.H.I. dispensing terms offered for 1917, and if possible decide on united action in the matter. A deal of dissatisfaction exists throughout the county with the present terms of contract, the reimposition

of Rep. mist., the forcing of club-practice stock mixtures, the present inadequate establishment-charge, the insufficient dispensing-fees, the mile-limit injustice, with the new Tariff 1916 and 1917 arrangements, including the new conditions as regards the Sale of Food and Drugs Act, and it is hoped that there will be a full attendance.

St. Albans.—Mr. A. H. Pierson presided at a meeting of the St. Albans and Barnet Pharmacists' Association at Barnet on September 28, when it was resolved to call attention to the inadequacy of the 0.8*d.* establishment-charge, especially in view of increased working-expenses, and ask that the charge should be raised to 1.5*d.* The hope was expressed that other Associations would pass similar resolutions.

Wolverhampton.—The prizes given by the local Chemists' Association to students at the Technical School have been awarded to Miss M. C. Lewis (chemistry) and Miss F. Corbishley (botany).

Australasian News.

"The Chemist and Druggist" is supplied weekly to all the members of eight Chemists' Societies in Australia and New Zealand.

Fungicides, Insecticides, and Vermin-destroyers.—A Bill introduced into the Legislative Council of Victoria gives the Governor in Council power to proclaim a standard for any fungicide, insecticide, vermin-destroyer, or weed-destroyer, fixing the constituents that may or shall be contained therein, the quantities and proportions, the chemical or physical conditions, or any of such matters. The Bill supplements the Poisons Act, and does not in any way lessen the effect of its provisions.

Venereal Diseases in New Zealand.—The Minister of Public Health (Hon. G. W. Russell), in supporting the second reading of the War Regulations Bill in the House of Representatives on July 19, stated that it was not proposed to ask for a renewal of the Contagious Diseases Act, but he did propose to take power to deal by regulation with venereal disease. He proposed to make it a criminal offence for any person but a legally qualified medical practitioner to treat venereal diseases, so as to prevent quacks and chemists diagnosing or treating these diseases. He proposed also to subsidise hospital boards to the extent of 75 per cent. intead of 50 per cent. towards the cost of the treatment of venereal diseases.

Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

Essential Oil of Euthamia Caroliniana.—According to Russell ("Jour. Amer. Chem. Soc.," 1916, 1398), *Euthamia caroliniana* flourishes in moist sandy soil near the eastern coast of the United States, especially in Florida. The yellow flowers are small, and on distillation yield about 0.7 per cent. of essential oil having a pale-yellow colour and characteristic aromatic odour, sp. gr. 0.8587, ref. ind. 1.4804, and spec. rot. −10.8°. It consists very largely of terpenes, of which dipentene is the principal. Pinene and possibly traces of limonene are also present. Free acids are absent, but traces of acids (formic and acetic?) are present as esters. The total esters, calculated as geranyl acetate, are 2.1 per cent., and the total alcohols, calculated as geraniol, are 7.01 per cent., of which 5.35 per cent. is free and 1.66 per cent. combined. Traces of an aldehyde are also present. The oil also contains about 10 per cent. of a compound of high specific gravity and with a lævorotation.

Iodine-value of Essential Oils.—Maveille ("Ann. Fabrif.," 1916, 9, 6) has again taken up the question of the iodine-value of essential oils. He considers the influence of light to be one of the most important factors in the results obtained. Light lowers the value for most essential oils, but in a few cases, especially aniseed oil, the value is raised. It is recommended that simultaneous determination be made in the light and the dark. If the iodine-value obtained in the light be greater than that in the dark, the author considers that aniseed or a similar oil is probably present. In the dark a sample of aniseed oil gave a value 1.41 in twenty-four hours, rising to 1.65 in ninety-six hours; whereas in the light it gave 2.03 in thirty minutes, falling to 1.96 in two hours and 1.79 in seven hours. Bonnet, in a paper in the same journal, states that the approximate amount of essential oil present in liqueurs can be determined by using the factor 1.515 to multiply the iodine-value of the liqueur in the case of anisette, and 1.498 in the case of liqueurs of the chartreuse type.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., October 5, 5.30 p.m.

At the moment there is little inducement to buy pharmaceutical chemicals beyond current requirements, and this gives a very quiet tone to this section of the market. Heavy chemicals are also quiet but generally firm in view of the all-round decreased output. Sulphur is very firm and dearer; ammonia sulphate (London) is easier, while hexamine, hydroquinone, milk-sugar, and phenazone have also tended in buyer's favour. Persian opium has sharply advanced. New crop bergamot and orange oils and shellac are lower. Spanish anise and cumin seeds are dearer.

Higher	Firmer	Easier	Lower
Anise (Spanish)	Balsam peru	Ammonia sulphate (London)	Acetic acid
Cumin-seed	Soya oil	Chloral hydrate	Bergamot oil
Linseed oil		Gum acacia (Sudan)	Cod-liver oil (Norw.)
Olibanum		Hexamine	Hexamine
Opium		Milk-sugar	Orange oil (Sicilian)
Sulphur		Potash carbonate	Shellac

Cablegram.

New York, October 4.—Business in drugs is active. Opium has advanced to $11.00 per lb. for druggists'. Menthol is dearer at $3.25, and taraxacum is lower at 27c. per lb. Guarana has advanced to $1.15, cascara sagrada to 7¾c., and senega to 62c. Buckthorn-bark is lower at 25c., and belladonna-root is dearer at $5.00 per lb.

Acetic Acid.—In consequence of the recent reduction in acetate of lime the prices of acetic acid have been reduced all round. The values, however, cover a very wide range and are somewhat nominal. To come forward 99 to 100 per cent. *glacial* is quoted at from 145*l.* to 155*l.* per ton, but higher prices are claimed to have been paid; 80 per cent. pure is difficult to quote, some asking from 90*l.* to 95*l.* per ton.

Acetyl-salicylic Acid.—For small parcels 27*s.* 6*d.* to 28*s.* per lb. is obtainable. In view of the fact that raw materials are lower it is reasonable to assume that prices will be gradually reduced. Rather a large business has been done for forward delivery at reasonable prices.

Amidopyrin is temporarily scarce for prompt delivery, but further consignments will be coming forward shortly.

Ammon. Chlor. is offered at 52*s.* 6*d.* net per cwt. in large crystals, and at 40*s.* net for granular.

Ammonia Sulphate.—Quiet. Home trade price is 15*l.* 10*s.* for October-May delivery. Export prices are: London, prompt, 25-per-cent., 16*l.* 15*s.* per ton net, naked at works; Hull, 24-per-cent., 17*l.* 12*s.* 6*d.*; Liverpool, 17*l.* 15*s.*; Leith, 17*l.* 17*s.* 6*d.* spot and 18*l.* for forward delivery, less 3½ per cent. in bags f.o.b.

Anise is dearer for good Spanish, as it is now quoted 60*s.* per cwt. on the spot, with a bid of a little less invited.

Anise Oil (Star).—Spot sales of "Red Ship," brand have been made at 3*s.* 4½*d.* per lb.: September-October shipment is offered at 3*s.* 2*d.*, and November-December at 3*s.* 3½*d.* c.i.f.

Balsams.—*Peru* has advanced 1*s.* 3*d.* per lb. in the primary markets to 15*s.* per lb. c.i.f., and on the spot 15*s.* 6*d.* is asked. *Tolu* is firmer in America, and on the spot 1*s.* 6*d.* will buy fair quality. *Copaiba* is steady at 3*s.* per lb. c.i.f. and at 3*s.* 3*d.* on the spot for cleared Maracaibo.

Bergamot Oil is lower, with new crop offering for shipment from Messina at 16*s.* 6*d.* per lb. c.i.f. London, net, war risk extra.

Bismuth Salts.—Bismuth salicylate and subgallate were not advanced by the makers, as stated in this column last week, but the prices are as printed in that issue.

Camphor (Refined).—Japanese is quiet but firm with sales of both tablets and slabs on the spot at up to 3*s*. per lb.

Canary-seed is steady at 59*s*. to 61*s*. per quarter for ordinary to good Morocco.

Cantharides.—Russian are offered on the spot at 12*s*. 6*d*. per lb.

Caraway-seed is still unobtainable.

Cassia Oil.—The spot value of 80 to 85 per cent. c.a. is 4*s*. 1*d*. per lb., and to arrive 3*s*. 8½*d*. c.i.f. has been paid.

Celery-seed, which has recently declined, has improved somewhat, the spot value being about 110*s*., and rather less for quantity.

Chamomiles.—Old crop offer at 225*s*. per cwt. ex wharf.

Chloral Hydrate is offered at 9*s*. per lb. in bond for crystals.

Cinchona.—At the tender held at Amsterdam on September 27, 11,644 packages, weighing 967,653 kilos., with a quinine content of 60,728 kilos., were on offer, of which 7,534 packages, weighing 624,340 kilos., and containing the equivalent of about 39,100 kilos., were taken up by the makers. The unit was 10.31 cents per half-kilo., against 11.48c. at the previous tender. The analysis was 6.28 per cent., against 6.26 per cent., and an average of 6.25 per cent. over 1915.

Citrates.—The announcement we made last week that the makers had reduced their prices by 4*d*. per lb. was incorrect, as after due consideration it was decided to make no change. The list prices are: Potassium citrate, 5*s*. 3*d*., sodium citrate 3*s*. 8*d*., and ferri et ammon. cit. 3*s*. 8*d*. per lb.

Citric Acid is quoted at 2*s*. 9*d*. per lb. for prompt delivery.

Citronella Oil.—Quiet, with Ceylon in drums offering at 1*s*. 11*d*. on spot, and at 1*s*. 6*d*. c.i.f. to arrive.

Cloves remain quiet, with sellers of fair Zanzibar on the spot at 7½*d*. per lb., and October-December delivery at 7*d*.

Cod-liver Oil.—Our Bergen correspondent writes on September 25 that the market continues quiet at 550*s*. per barrel for finest 1916 non-freezing medicinal oil. From another Bergen source the rather lower prices of from 530*s*. to 550*s*. f.r. Hull are quoted. Norwegian cod-liver oil appears to be gradually disappearing from the London market owing to the absurdly high prices asked.

Coriander-seed is firm at 33*s*. per cwt. for good new crop Morocco on the spot.

Cumin-seed is dearer, with sales of clean new crop Morocco on the spot at 82*s*. 6*d*. to 85*s*. per cwt.

Dill-seed has been sold at 25*s*. per cwt. on the spot for fair East India.

Ergot.—Quiet, with either Russian or Spanish offering at 1*s*. 8*d*. per lb. on the spot.

Fenugreek-seed is firm, with small sales at 24*s*. per cwt. for fair Morocco.

Formaldehyde.—The demand has fallen off rather considerably, and holders of stocks have been shading their prices; 72*s*. 6*d*. is the current value of 40-per-cent. Meanwhile the market for methyl alcohol is rather firmer.

Gentian is offered at 80*s*. per cwt. ex wharf.

Gum Acacia.—Owing to arrivals, Sudan sorts are on the easier side, fair being obtainable at 57*s*. 6*d*. per cwt. on spot.

Hexamine is very quiet, and the price has dribbled down to 3*s*. per lb.

Hydroquinone.—From 18*s*. to 20*s*. per lb. represents current values.

Ipecacuanha.—Quiet, with Matto Grosso offering at 10*s*. 6*d*. and Cartagena at 7*s*. per lb.

Lemon Oil is firm, with prices of new crop from Sicily varying from 3*s*. 8*d*. to 4*s*. 3*d*. per lb. c.i.f. London, the spot values being from 3*s*. 9*d*. to 4*s*.

Linseed.—Good quality is very scarce, and high prices are being paid for the small quantity available. Some Morocco has been sold at 102*s*. 6*d*. per quarter.

Menthol is firm but quiet at from 12*s*. 4*d*. to 12*s*. 6*d*. per lb. on the spot, and to arrive 11*s*. 9*d*. c.i.f. has been paid. *Oil of Japanese mint* is quoted both on the spot and on c.i.f. terms at 4*s*. 3*d*.

Methyl Salicylate is offered at 8*s*. per lb. net.

Milk-sugar.—American of guaranteed B.P. quality is offering at from 150*s*. to 155*s*. per cwt., being the turn easier.

Morphine.—In view of the rise in opium and its precarious position makers are not anxious to make fresh engagements, and the quotation for hydrochloride powder is nominal at 13*s*. 6*d*. per oz. net.

Mustard-seed.—The new crop of English is coming on the market, and is being offered at the reasonable price of 67*s*. per cwt.

Oils (Fixed).—*Linseed* is dearer at 39*s*. 6*d*. per cwt. in pipes landed and 40*s*. in barrels. *Cottonseed* is firm at 35*s*. for crude in pipes on spot, 40*s*. to 41*s*. for refined in pipes, and 48*s*. to 51*s*. 6*d*. for sweet refined in barrels. *Rape* is firm; ordinary brown naked on spot is 43*s*., British refined in barrels is 48*s*. to 50*s*., and Japanese in cases is 43*s*. 6*d*. c.i.f. for October-November shipment. *Coconut* is dearer at 52*s*. for Ceylon in hogsheads on spot and 50*s*. in pipes. Cochin on spot is dearer at 55*s*. to 57*s*., and London pressed is 41*s*. 6*d*. per cwt. Hankow *Wood* oil is 53*s*. 6*d*. spot and 51*s*. c.i.f. afloat. *Soya* is firmer at 39*s*. c.i.f. for August-September shipment. Lagos *Palm* is 38*s*. on spot, and 34*s*. ex quay Liverpool.

Olibanum.—Sales of fair drop are reported at up to 82*s*. 6*d*. per cwt., and good garblings at 35*s*. per cwt.

Opium.—Much more interest has been shown in the market for Persian opium, and a very fair business has been done chiefly for export at prices showing an advance of from 4*s*. to 5*s*. per lb., up to 29*s*. per lb. having been paid for good testing gum on the spot, and sellers are holding their small available stocks for 30*s*. This advance in prices may be partially put down to the attitude of the Home Office authorities who discourage the importation of opium, and have placed difficulties in the way of regular importers. A decided check has thereby been given to the re-export business to the United States, who have bought a considerable quantity of Persian at the source for direct shipment from Bushire. The consequence is that comparatively little Persian is now offering, and it is possible that there will be a "squeeze" before the end of the year.

Orange Oil.—Sicilian is lower, sweet of new crop, for January 1917 shipment, offering at 7*s*. 6*d*. per lb. c.i.f. London, war risk extra.

Orange-peel.—Sales of thin cut so-called Maltese strip have been made at 2*s*. per lb. from first-hands.

Peppermint Oil.—American remains firm at from 10*s*. 3*d*. to 10*s*. 6*d*. per lb. on the spot., and to arrive 10*s*. 6*d*. c.i.f. is quoted.

Phenazone.—The spot value is about 40*s*. per lb. net.

Phenolphthalein.—Consignments are due this month from neutral countries, when the product will be easier.

Potash Carbonate is easier, with 85 to 90 per cent. offering at 110*l*. per ton on the spot.

Pyrogallic Acid.—Resublimed is quoted at 16*s*. per lb.

Quinine.—The landings in London during September were nil; the deliveries were 99,552 oz., leaving the stock on September 30 at 1,231,424 oz., against 1,995,360 oz. in 1915.

Salicylates.—Salicylic acid of U.S.P. quality to arrive is offered at the easier rate of 6*s*. 9*d*. per lb. f.o.b. New York, but on the spot the quotation is from 7*s*. 6*d*. to 8*s*. for powder. *Sodium Salicylate* is also quoted at from 8*s*. per lb.

Salol is offered at 18*s*. per lb. net.

Shellac is again lower in balance, the spot market at one period declining to 115*s*. per cwt. for the usual standard TN Orange, but subsequently there was a recovery (on small Calcutta shipments for September and more demand) to 120*s*. to 125*s*. A.C. Garnet is quoted at from 132*s*. 6*d*. to 135*s*. per cwt. Futures have also advanced, the sales including October at 118*s*. to 115*s*. to 120*s*. 6*d*., and December at 122*s*. to 117*s*. to 121*s*. 6*d*.

Soda Sulphate.—Pea crystals in bags are offered at 9*l*. per ton.

Sulphocarbolates.—Both soda and zinc are offered at 3*s*. 3*d*. per lb. net.

Sulphur.—Sicilian flowers are dearer at 17*l*. 10*s*. per ton, and *roll* 10*s*. per ton less, ex wharf London. Market is very firm owing to the difficulty of shipping from Italy and the shortage of labour in the sulphur-mines.

Tannic Acid.—*Leviss* is quoted at from 5*s*. to 5*s*. 3*d*. per lb. net as to quantity; technical, 1*s*. 9*d*. *Gallic*, pure, is 5*s*. to 5*s*. 3*d*. per lb. net.

Tartaric Acid is quoted at from 2*s*. 9*d*. to 2*s*. 10*d*. per lb. for prompt delivery, and slightly less for forward.

Terpin Hydrate is offered at 2*s*. 3*d*. per lb. net for prompt delivery.

Wax (Vegetable).—Japanese on spot is steady at 67*s*. 6*d*. per cwt. and 63*s*. c.i.f.

Continental Drug and Chemical Markets.

The following notes refer to the Berlin and Hamburg markets under date of September 13, 1916:

Agar-agar.—Stocks which have not been commandeered are extremely small; demand has slightly fallen off owing to the extraordinarily high prices asked. First white strip is m.22.75 to m.23 per kilo., and ordinary from m.22.25 to m.22.50.

Ammon. Carb. is offered in large quantities for prompt delivery. Prices vary from m.160 to m.170 per 100 kilos., and powder is m.5 more.

Balsams.—*Copaiba* stocks are very small, and prices are extremely high at from m.760 to m.775 per 100 kilos. for extra fine Maracaibo, from m.680 to m.700 for fine Maracaibo, from m.625 to m.675 for "technical" balsam,

according to quality, and from m.510 to m.525 for African. *Tolu* is still quoted at from m.13.50 to m.14 per kilo.

Calabar Beans have been sold in quantity at very high prices.

Carbolic Acid.—In consequence of the commandeering of coal-tar oils, including crude carbolic acid, this article is no longer to be had from the makers. For the small quantities that are still obtainable, and for which the demand is very active, extremely high prices are asked—viz., from m.32 to m.35 for 20 to 25 per cent., from m.58 to m.60 for 40 to 50 per cent., from m.70 to m.72 for 60 per cent., from m.80 to m.82 for 80 per cent., from m.90 to m.92 for dark 95 to 100 per cent., and from m.98 to m.100 for 95 to 100 per cent. pale crude carbolic acid.

Cassia Fistula is still to be had in sufficiently large quantities, and prices have not changed.

Ceresin-wax has been offered in larger quantities of late. Natural yellow and orange are quoted at from m.415 to m.425, and first white m.430 to m.440 per 100 kilos.

Citric Acid is neglected, though stocks are very small and new imports cannot be expected. Crystals are quoted at from m.14.75 to m.15 per kilo., and c.p. crystals at m.15.25 to m.15.50.

Condurango is obtainable at m.325 and higher; demand has fallen off.

Elemi is quiet at from m.675 to m.700 per 100 kilos.

Formaldehyde is only obtainable for war purposes.

Gallic Acid has already advanced to from m.12.50 to m.13 per kilo.; production is not able to meet with the large demand.

Hydroquinone is in active demand, but only small quantities can be obtained from the makers, who quote from m.23 to m.25 per kilo., according to quantity.

Ipecacuanha.—Rio and Cartagena are both quoted at from m.65 to m.67.50 per kilo.

Jaborandi has been sold in rather large quantities at m.225 per 100 kilos.

Kola is quiet at from m.3.50 to m.3.75 per kilo.

Lithium Carbonate has again been advanced by the makers, pure being quoted at m.65, and finest at m.80 per kilo.

Milk-sugar.—The "Verkaufsstelle für Milchzucker," G.m.b.H. in Güstrow maintains the prices that were fixed in March 1916, but it puts only extremely small quantities on the market, and these do not satisfy the demand, so that large quantities of dear milk-sugar from foreign countries have to be purchased, such being offered for October delivery at m.375 per 100 kilos in Hamburg.

Oils (Essential).—Reggio *Bergamot* is almost unobtainable, as there have been no imports since Italy entered the war. Dutch twice-rectified *Caraway* is very scarce and dear in consequence of the prohibition of exportation of caraway-seed and oil from Holland; from m.35 to m.36 per kilo. is quoted. Rectified *Clove* oil is quoted at from m.37 to m.38 per kilo., as cloves are extremely scarce

Olibanum is advancing in price, especially the better sorts.

Quicksilver is from m.450 to m.500 per bottle.

Quillaia continues in active demand, and stocks are still large, but imports are now impossible, and prices will advance. Cut is quoted at from m.450 to m.460, and powdered at from m.540 to m.560.

Senega is firm, with small quantities offered at from m.15.50 to m.16 per kilo.

Shellac is still advancing, and T.N. is quoted at from m.825 to m.830 per 100 kilos.

Silver Nitrate.—The metal is quoted at about m.145 per kilo., so that the nitrate is from m.112 to m.115.

Sodium Thiosulphate.—Crystals are in active demand, and prices vary from m.50 to m.55 per 100 kilos., according to quantity, quality, and packing.

Papain in the Philippines.

A considerable amount of attention has recently been given to the production of papain in countries where the papaw-tree can be satisfactorily grown. Thus, in a paper in the "Philippine Journal of Science," and commented upon in the Barbados "Agricultural News," the whole question of experiments undertaken is gone into for the purpose of comparing papain gums made in a variety of ways, and to ascertain whether it is possible to conserve the entire efficiency of fresh latex by employing proper methods for drying. In proceeding to do this it was felt that some standard method for analysis was required, and one that would give accurate results without calling for elaborate apparatus or laborious manipulation. The methods at present used seem to depend largely upon some sample of papain gum selected as a standard, and a scheme was therefore adopted for assaying papain. Considerable attention is also given to various methods of preparing papain, first as to whether the fresh latex was more active than the dried, and it was found to be considerably more so. In one experiment, however, it was found that sun-dried papain is not necessarily less active than the fresh latex, but in this case considerable care was given to the sample to ensure rapid drying. It was also dried promptly after collection, which is very important, as fermentation takes place rapidly in papain latex, with the production of nauseating odours and the destruction of the enzyme. In regard to the rate of digestion by papain, it was found that the reaction proceeded rapidly during the first ten minutes, and practically reached its maximum within an hour, but it naturally varies with the surrounding physical conditions.

Arrivals of Chemicals, Drugs, etc.

The following is a selection of arrivals, during the period from September 27 to October 3 inclusive, in the English ports named. Goods in transit are not included. The figures refer to the packages—*e.g.*, cases, bags, barrels, boxes, kegs, etc. The weights, when known, are specified:

To London.

Acetic acid, glac. (N.Y.) 19 cbys.
Agar-agar 60
Albumen 34 cs.
Aloes (B'bay) 52 kgs.
Ammon. phosph. (U.S.A.) 104 brls.
Ammon. vanadiate (U.S.A.) 7 brls.
Anise (N.Y.) 64
Annatto-seed 5
Arachis oil 20 cs.
Argol (Port.) 172
Arsenic (Port.) 56
Barytes (It.) 200 bgs.
Boric acid (It.) 27, (N.Y.) 1,250 brls.
Camphor, crude (Kobe) 520 cs.
Camphor, ref. 20 cs.
Cardamoms 67
Casein (Fr.) 179
Cassia 183 pkgs.
Castor oil (It.) 35 cs.
Chemical products (N.Y.) 108 pkgs., 54 cs., (Phila.) 50 cs., (Fr.) 22 cks. 2 cs.
Chemicals and drugs (Fr.) 58 pkgs.
Chillies (Jap.) 10
Cinchona 20
Cinnamon 495
Cocoa-butter 200 cks.
Coconut oil 300 pps. 270 pns. 19 hds. 192 brls. 1,500 cs.
Corrosive sub. (It.) 81 cs.
Copra 12,102
Divi-divi 258
Drugs and perfumery (Fr.) 27 cs.
Essential oils (Sp.) 14 cs., (Fr.) 8 cs., (N.Y.) 11 cs., (Phila.) 10 cs.
G. acacia (B'bay) 50
G. accroides 120
G. copal 233
G. damar 834
Gentian (It.) 43
Ginger (Jap.) 262
Herbs (Jap.) 50 bls.
Insect-powder (Jap.) 30 cs.
Iodine (Jap.) 96 cs.
Juniper-berr. 161
Linseed (E.I.) 15 890
Liquorice-juice (Fr.) 20 cs.
Milk-powder 120 cks. 400 cs.
Milk-sugar (It.) 20 cs., (Amst.) 100 cs., (N.Y.) 15 brls.
Menthol 20 cs.
Mint oil (Jap.) 26 cs.
Myrrh (B'bay) 7 cs.
Oils, fixed: Cod 250 cs., fish oil 1,000 cs., herring 2,500, peanut 2,000 cs., rape-seed 8,280 cs., shark 2,500, soya-bean 69,942 cs. 1,916 dms., sperm 500 cs.
Olibanum 275 cs.
Olive oil (It.) 88 cs. 1 ppe. 10 brls. 25 ¼-cks., (Fr.) 185 cs.
Opium (B'bay) 100 cs.
Papain (Cey.) 35
Pepper 240 bgs.
Peppermint oil (Mont.) 17 bxs., (N.Y.) 15 cs.
Perfumery (Fr.) 13 cs.
Potash carb. (C'cutta) 50
Pot. iodide (Jap.) 30 cs.
Potashes (N.Y.) 8 brls.
Rape-seed 3,925 bgs.
Roots, barks, leaves, etc. (Fr.) 570 pkgs., (Jap.) 15 cs.
Rosemary oil (Fr.) 5 cks.
Saltpetre 1.812
Sandalwood 17
Senna (Tv.) 1,022
Soda ash (U.S.A.) 507 brls.
Soy (Jap.) 40 tubs 15 brls.
Tartaric acid (It.) 182 cks.
Thorium nit. (U.S.A.) 22 cs.
Vacuum - flasks (Jap.) 33 cs.
Wax, bees' (Port.) 61, (Calcutta) 33, (Fr.) 880 pkgs. (It.) 16, (Beira) 488, (Natal) 85
Wax, veg. 250 cs.

To Liverpool.

Alcohol wood 242 dms.
Aniline salt (N.Y.) 86 cks.
Antim. ore 20,930 pkgs.
Barytes 1,600
Bismuth ore 280
Bromo quinine (N.Y.) 10 bxs.
Calc. acetate 120
Calc. borate 3,949 bgs.
Calc. carbonate 399 bgs.
Casein 82 bgs.
Castor oil (E.I.) 100 cs.
Coconut oil 350 dms.
Cream of tartar (Fr.) 53 cks., (Sp.) 41 cks.
Drugs, dry (N.Y.) 70 kegs 185 pkgs.
Eucalyptus oil 57 cs.
Glycerin (Fr.) 1,005 dms., (N.Y.) 2 dms.
Gum copal 583 bkts.
Gums, undescribed (W.C. Af.) 83 brls.
Honey (Chile) 890 brls.
Indigo (Jv.) 29 cs.
Ipecac. (Rio) 5
Lead acetate (N.Y.) 19 brls.
Lime-juice (N.Y.) 65 pns. 154 hds.
Medicinal goods (It.) 1,768 cs.
Olive oil 35 cs. 1 ck., (Fr.) 108 cs., (Sp.) 12 brls.
Palm-kernels (W.C. Af.) 42,777 bgs. 1,270 tons
Palm oil (W.C. Af.) 1,445 cks.
Potash salts (It.) 3,800 bgs.
Quebracho ext. 79,127 bgs.
Roots, barks, herbs, etc. (N.Y.) 32 bgs. 13 pkgs.; (Fr.) 43 bls.
Saltpetre 4,250 bgs.
Sanatogen samples (Australia) 52 cs.
Soda bichromate (N.Y.) 32 cks.
Soda caustic (Sp.) 24 dms. 15 cs., (N.Y.) 102 dms.
Soda salicylate (It.) 22 pkgs.
Tartaric acid (It.) 20 cs., (Fr.) 204 cks.
Turpentine (U.S.A.) 200 brls.
Wax, bees' (W.C. Af.) 59 pkgs., (Rio) 270, (Chile) 177, (Fr.) 5 bls. 16 cs.
Wax, carnauba 29
Wine-lees (B. Aires) 202

To Bristol.—Lime-juice 31 hds.; potashes (Montreal) 10 brls. *To Folkestone.*—Drugs (Fr.) 31 pkgs.; perfumery (Fr.) 247 pkgs. *To Grimsby.*—Colour and dyes (Fr.) 224 pkgs. 162 casks. *To Hull.*—Barytes 480 brls.; chemicals (Norway) 410 cs.; glucose 600 brls.; gum copal 13,626 bgs.; liquorice-in. (It.) 100 cs.; milk-powder 120; olive oil 20 cs.; palm-kernels 21,115 bgs.; roots (Fr.) 14 bls.; soya-beans 78,179 bgs.; squill 20; sulphur 3,750 bgs. *To Manchester.*—Arachis oil 175 cks.; calcium carbide 1,120 dms.; calcium phosphate 69 brls. 450 kgs.; glucose 490; phosphorus (Mont.) 300 cs.; soda chlorate 1,500 dms. *To Runcorn.*—Whale oil 1,480 tuns.

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Irish Pharmaceutical Council Election.

Sir,—I beg to thank you, on my own behalf and on that of the undermentioned, for the prominence given to our names in The Chemist and Druggist in connection with the recent Council election of the Pharmaceutical Society of Ireland. We shall also be glad if you kindly allow us, through your columns, to thank those who voted for us, and we hope to have their continued support at next year's election. I am, your faithfully,

Dublin. M. O'Donnell.

On behalf of P. J. Burns, P. J. Fielding, J. W. Hogan, Jeremiah O'Connor, M. Ryan, and M. J. Usher.

Fairchild Scholarship and Prizes.

Sir,—Since the Fairchild 1916 Scholarship was awarded, as the result of the June examination, to Mr. William Stuttard, of Runcorn, he has written to me stating that he may be called up for service under the Military Service Act, and has asked if he can, in the event of joining the Forces, hold the Scholarship and use it after he is discharged from military service. The matter has been submitted to the Trustees, who, in view of the fact that it is the desire of the founders of the Scholarship to do all in their power to promote the interests of the winners of the Scholarship or Prizes, agree that Mr. Stuttard should attend a school of pharmacy after the war is over.

Yours very truly,

A. E. Holden,

64-65 Holborn Viaduct, London, E.C. Secretary.

Stock Mixtures.

Sir,—In this area, which is largely rural, we find that the keeping of stock mixtures in bulk is not practicable owing to the small demand. On this ground, as a local hardship, we have asked the Commissioners to omit that part of the stock-mixture clause relating to the reduction of fees, it being palpably unfair that the fee should be reduced while preparing the mixtures fresh each time. It occurred to the Committee that other areas may be in the same position, and therefore may wish also to bring this matter to the notice of the Commissioners, so that an attempt may be made to have this unjust clause revised in the 1917 Tariff. Perhaps if every Committee made the same request it might make some impression on the Commissioners.

Yours faithfully,

P. Hawkins,

Secretary East Riding Pharmaceutical Committee.

Glasgow Chemists and Early Closing.

Sir,—I notice that "Xrayser" in his "Observations and Reflections" last week comments on the absence of Glasgow pharmacists from the movement by other trades in favour of earlier closing. The reason for the abstention is very simple. Our Association received an invitation to send delegates to the meeting of the various trade associations, but it was felt that as our own closing order came into force on the Monday following we had gone as far as we reasonably could at the moment, though we were quite in sympathy with the movement, and a reply to that effect was sent to the conveners of the meeting. Since September 18 practically all the Glasgow pharmacists have been closing at eight o'clock, and the few who have been disregarding the closing order will doubtless be dealt with in due course.

Yours faithfully,

Harvey P. Arthur,

Hon. Sec. G. and W. of Scotland Chemists' Association.

Insurance Dispensing: The New Condition.

Sir,—I suppose it is too much to expect our Executive futilities to safeguard us on this new question of Insurance medicines being taken as food and drug samples. We are supposed to check excessive quantities—*e.g.*, tr. nuc. vom. ½ oz. in 8 oz. and pot. iodid. 1 oz. in 8 oz.—also to alter incompatibles, such as liq. strych. in alkaline mixtures and liq. Fowleri in acid mixtures. Yet if we are asked for such by the inspectors we must supply or be fined. We can be trapped on the content of 6-oz. and 8-oz. bottles any day, because no makers can guarantee the content, and we cannot pretend to use graduated beakers at speed for the paltry pay we get. The old trap, lin. saponis rect., is not now in the Insurance lot, but aqua calcis would trap 50 per cent. of chemists any time. Remember if you wrap up the container in your usual polite way, you are infringing an Act of Charles II. The inspector got a conviction for that in Staffordshire. What we want is to have the inspector report to our Panel Committee. But then that would be thinking ahead, and, of course, we can scarcely expect that. Local Associations (except in cases like Northampton and Doncaster) have been a complete failure in working-class areas on this N.I. Act. They have played a silly game of professional bluff all the time, and lost all the way. Triplicate prescriptions were wrong, and caused "Rept. mist." to assume the proportions it did. These triplicates and even duplicates will soon be dead. "Rept. mist." ought to have brought us 1*d.* or 2*d.* fee; but the Executives chose dignity, and were snubbed, and deserved it. New fees: We were "had" once more. The doctors knew how to tempt our futilities. Stock mixtures: Illogical attitude all the time. Now we have been forced into:

No. 2 (C.L.)	ʒj.
Aq. ad	℥viij.

There's the dismal record of the last ditchers; they have not even the decency to say and admit that they are in a mess, and to welcome the advice of younger men who really want to keep the N.I. and do it as it should be done, and has been done in Northampton. Heaps of high-browed men in good positions, with good-class businesses, are tired of N.I.; they won't even let patients wait in their shops, and I agree that they are right. You cannot mix your classes like that. But the rest of us have to make the best of it, and those fortunate men who do not want it should go off the panel. If they don't, then *public dispensaries are inevitable*. The net result of four years' N.I. is that they owe us a quarter of a million of debt, and we have lost a further three-quarters of a million which copying-fees ought to have brought us had we prevented waste from the first quarter of a year. Each 10,000 scripts copied means (close on) 50*l.* net, extra profit. My loss and debt is 400*l.* Mr. Deakin at Manchester said that "Rept. mist. was worth 500*l.* a year to each doctor as an assistant." Why, then, was it not worth at least 1*d.* fee to us? It was actually paid in some counties until the waste took its place and left us with dignity and debt.

Yours truly,

Jay Mack.

The Only Cheque.

Sir,—It is, I suppose, no great secret that the official missionaries have lately been on tour with the object of persuading Pharmaceutical Committees that their way is the only way. On occasion one actually sees some record of their activities in print, always provided the proper resolution has been carried. But that does not apply to the select little party which met up North not so long since. I said little because there could not have been more than a dozen and a half to hear the words of wisdom and revelation. I greatly wondered at the time why we should be dragged from home and fireside, not to mention our shop-counters, to learn so little. It was not as if we went to formulate cut-and-dried terms for the 1917 N.H.I. contracts. Oh! no; such things can most conveniently wait till the last minute. Then Woolcock will thunder, "Are you or are you not prepared to pledge," etc.? He doesn't want you to, you know; but it's all part of the game. No; we went to hear what the Central Checking Bureau had to say for itself. Naturally you all are aware that such an organisation exists, but anything more than that—as to its methods or capacity to deal with the problem before it—equally naturally you do not know. As I have explained before, a pall of darkness must cover these things; the enemy is ever over us. It is no use seeking in the official journal, which does not exist to disseminate useful information. The golden rule of the Society is to assume all its members are children unless they can prove they are adults. In any case it doesn't care a fig. Now, the Central Checking Bureau has, I am told, done a vast amount of work on our behalf. All sorts of digs have been duly administered to the Pricing Bureaus to keep them in the right paths. I have no reason to doubt it. The Chief of the Scalp-hunters is a careful chap. But there is one thing I do want and cannot get, and that is an assurance that the cheque received by me correctly covers the prescriptions sent in. I presume I am barred from saying more or commenting on the scheme of checking because the documents handed to me are marked to prevent public criticism. But there are other issues attaching to this scheme that must be tackled. It is at least openly known that the necessary funds were obtained from the N.H.I.

Pharmaceutical Committees. And let us be quite clear about this. The onus in this matter rests with the Pharmaceutical Society. On its recommendation a certain sum has been diverted from the account of every contractor and applied by the Society to certain purposes. Individually, whether we like it or not, we lose a portion of our payment. We are not consulted concerning these deductions, and we know nothing as to how the money has been expended. Whatever excuse the Society offers—and I know perfectly well the attitude it takes up—the whole proceeding to my mind is open to grave complaint. However much that excuse may excite my sympathy, I have no hesitation in saying that it is a scandalous thing that the Society should bolster up its finances in such a way. And, further, how has this money been expended? I would stake my last sixpence that no reasonable detailed information will ever be forthcoming either to the Pharmaceutical Committees or to the individual contractors whose money has been spent. An unknown friend at Newcastle said to me, "You are out for blood." I am indeed. . . . As another speaker said, we hear so much on these occasions of the vast activities of the Society, the great efforts it has made on our behalf, the vast expense it has incurred. What are the results of all these? What, indeed? The one thing that impressed itself on my mind in relation to all this work of the Checking Bureau was that we ought never to have handed the prescriptions over to the Commissioners to price. And so far as this particular aspect of the Insurance work is concerned, I maintain we should revert to the old system. Let the 1917 terms be so arranged that the pricing shall be in the hands of the contractor. Then it is up to the Pharmaceutical Committees to take over the Pricing Bureaus and efficiently control the payments. Which further opens up the way for some definite N.H.I. Department. I well remember that at the Conference Mr. Body, of Southend, advocated a Union of N.H.I. interests. It looks like the only way out of our troubles now as much as it did then. The Society has kindly pointed the way. The Pharmaceutical Committees have only to put their heads together, gather in the folk and funds concerned, and the thing is done. Yours faithfully,

York. FRANK G. HINES.

Miscellaneous Inquiries.

S. S. B. (83/19).—Castor oil is filtered through conical felt bags. The felt is particularly close woven, and it is also adapted to this purpose by repeated filtration, whereby a thin stratum of suspended material enables the oil to come through perfectly clear.

G. W. B. (73/41).—(1) Sugar of milk cannot be separated from whey in the manner that you describe. The whey is condensed by boiling and evaporation to about one-fifteenth of its original bulk. The result is a brown, viscid, saline mass, which is put into suitable vessels and crystallised. It is then decolorised with animal charcoal and recrystallised, this process being repeated several times. (2) Egg albumen supplied by wholesale houses is the dried white of egg, and its proteid strength is about 50 per cent., that of the fresh material being from 10 to 13 per cent. We shall deal later with your query in regard to potatoes.

Stocktaking (82/63).—In pricing goods at stocktaking current wholesale prices are used except in cases where the articles have suffered deterioration. It is wrong to enter the goods at the prices paid for them, because the values may have changed greatly.

V. S. K. (87/44).—The specimen that you send is a *Galium*, not sphagnum, and it has nothing to do with the treatment of wounds.

E. C. (90/38).—WORMS ON BOWLING-GREENS. — Mercuric chloride 1 lb., hydrochloric acid 20 oz., water to 1 gal. A teacupful of this is used to 10 gals. This has been used for half a century, and rarely fails. Lime-water sometimes kills the worms, but not always.

C. F. (89/3).—Sodium sozoiodolate was of German origin, and as far as we are aware it is difficult to obtain in this country at present. It is chiefly used as a substitute for iodoform. To replace it in a menthol-snuff we suggest that you should use sodium sulphocarbolate with a drop or two of eucalyptol in each ounce.

S. C. F. (80/13).—CHIROPODY.—As a beginning in acquiring the art of chiropody, you should study Hughes' "Manual of Chiropody" (Wyman, 2*d.*) and Wagner's "Handbook of Chiropody" (Osborne, Garrett & Co., 5*s.*). As the theory needs backing up with manipulation, your relatives would doubtless let you practise on their feet.

F. S. D. (87/19).—WOUND-DEODORISER.—Finely powdered charcoal is one of the best deodorisers for wounds apart from liquid dressings, such as eusol. The powder could be enclosed in a cotton-wool and gauze pad

H. C. R. (82/11).—There are usually classes in bacteriology at King's College, Strand, W.C., during the winter, where you should make inquiries as to times and fees.

C. S. A. (73/24).—COPYING-INK.—We think your customer is referring to the use of glycerin for assisting the copying of writings. Professor Attfield suggested the addition of glycerin to evaporated ink at the British Pharmaceutical Conference in 1881, but it had been used before that. In place of glycerin, honey or a deliquescent salt—*e.g.*, ammonium nitrate 2 to 4 cent.—can be employed. The glycerin or deliquescent-salt solution used for moistening the leaves of the copying-book would not, we think, yield such a good result, but we have not tried it in this way.

P. H. G. (89/22).—The powder you send is mainly sodium carbonate.

Gregory (80/52).—SKIN-CREAM.—Salicylic acid is the best preservative for skin-creams; the quantity used should be about a grain to the ounce. As a perfume try the following:

Oil of hyacinth	6 drops
Oil of jasmin (artificial)	4 dr.
Artificial musk	20 gr.
Terpineol	2 oz.

W. C. B. (90/4).—GLACIAL ACETIC ACID OF 50° strength indicates the commercial variety, melting at 50° F. The official melting-point is 15.5° C., corresponding to 60° F. The expression "880°" after liq. ammon. fort. refers to the specific gravity of the liquid. The strength mentioned is one usually found in commerce.

Velox (26/9).—The cause of the discoloration of particular batches of velox developer is doubtless the presence of organic matter. This may be introduced in several ways, such as by using organic filtering or straining mediums. You cannot restore the discoloured developer.

S. L. (193/29).—The pearly appearance of the skin-cream is a matter of manipulation, generally understood to be obtained by the incorporation at some stage of a very small proportion of an oil. We were told once that this must be castor oil, but it is more likely to be a pure liquid paraffin.

J. M. (81/30).—CHEESE-STARTERS.—The preparations which are employed to hasten the curdling of milk in cheese-manufacture are cultures of the lactic-acid bacteria. Pure cultures are isolated, and preserved in a weak solution of milk-sugar.

H. E. N. (79/32).—HAIR-FIXING CREAM.—See *C. & D.*, February 12, p. 60, or May 2, 1914, p. 64.

J. M. W. L. (73/22).—ANTS IN BAKEHOUSE.—Placing ordinary paraffin oil or solution of carbolic acid in the nests or runs of the ants drives the insects away. Another plan is to trap the ants systematically by means of sponges wetted with treacle and water containing 10-per-cent. of borax. These traps attract large numbers of ants, and when the sponge is filled it is dipped in boiling water to destroy them.

J. B. (81/37).—Potter & Clarke's "Botanic Brewers' Guide" (1*s.* 6*d.*) is a good book on the subject of non-alcoholic beverage manufacture.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," October 15, 1866

Official Report on Preserved Meats.

A report by Mr. Francis Clare Ford, dated June 26, from Buenos Ayres, on the methods employed in the provinces of La Plata for curing meats for the European markets, has just been printed at the Foreign Office, and as the preservation of meat is a subject to which much attention is now given by practical chemists and pharmaceutists, an abstract of this report will doubtless be interesting to many of our readers. Mr. Ford states that meat is sold in bulk, a leg of mutton costing from 10*d.* to 1*s.*; that the quantity is unlimited and the quality good; and that the failure of the meat in the English market is to be attributed to bad management, and not to the meat itself.

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Duncan, Flockhart & Co.
Evans, Gadd & Co.
Evans Sons Lescher & Webb (Lim.)
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Gale & Co.
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Hirst, Brooke & Hirst.
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Huskisson, H. O., & Co.
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Lofthouse & Saltmer (Lim.)
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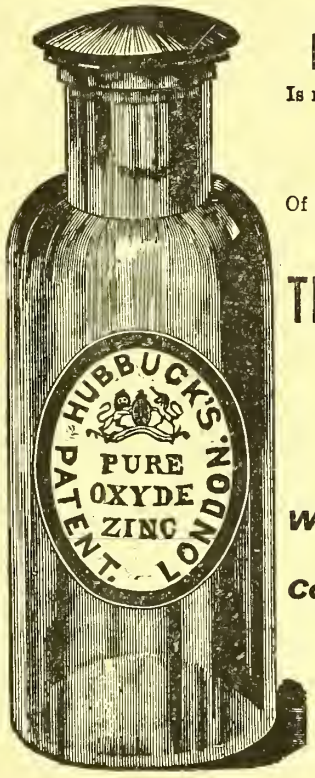
Roller & Shoemaker, Philadelphia.
Schieffelin, W. H., & Co., New York.
Shoemaker, R., & Co., Philadelphia.



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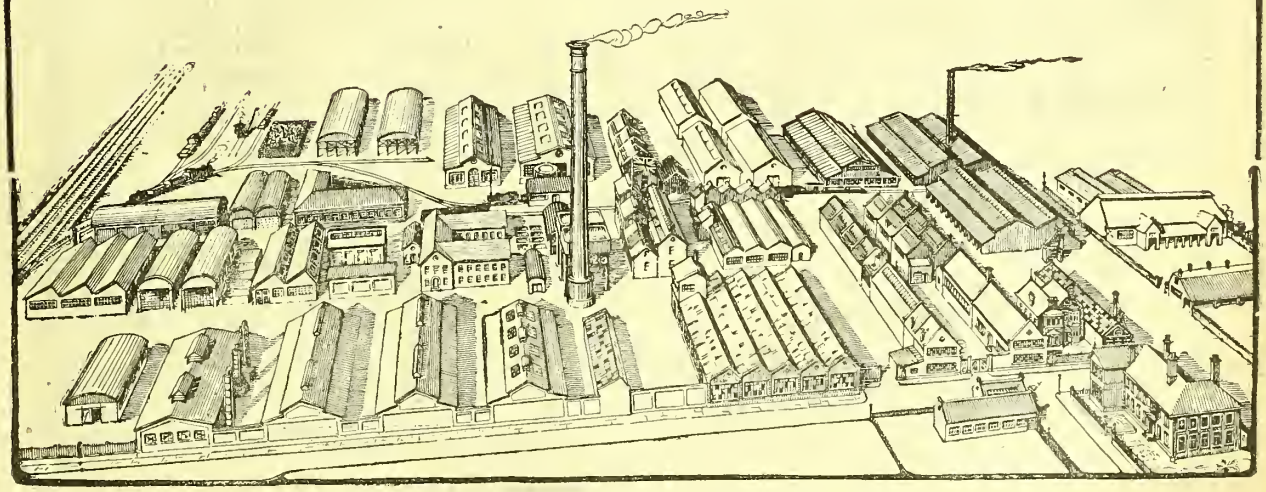

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½ lb.	6/- per doz.	1 cwt. @	60/- per cwt.
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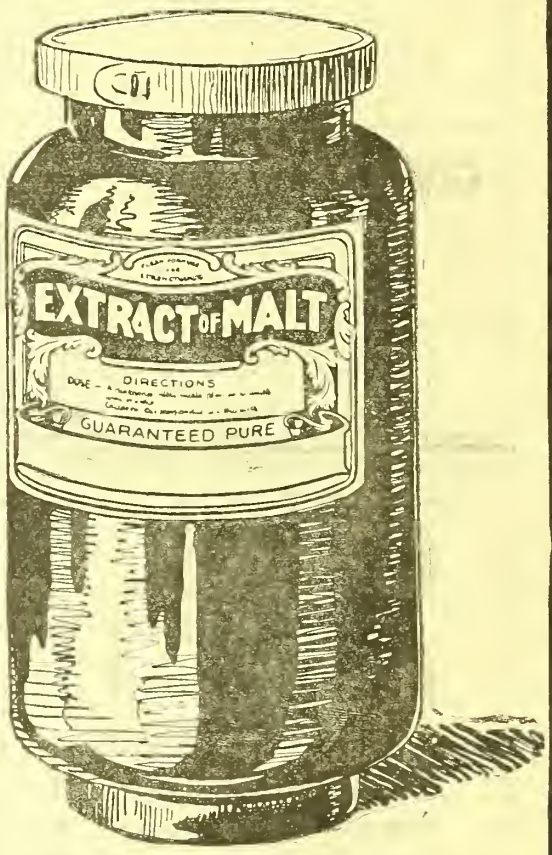

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Acetanilide, B.P., 1 lb. @ 4/6 lb.; powder, 1d. lb. extra.
*Acet. Ipecac., B.P., 6 lbs. @ 2/- lb.
„ Scillæ, P.B., 6 lbs. @ 5d. lb.
*Acid. Acet. Glacial., 99%, 6 lbs. @ 3/2 lb.
„ Acetylo-Salicyl. 1 lb. @ 30/- lb.
„ Benz, B.P., 7 lbs. @ 26/- lb.; 1 lb. @ 27/- lb.
„ Boric Pulv., 3 cwt. @ 61/9 cwt.; 1 cwt. @ 62/9 cwt.; levigd. 3/- cwt. or ½d. lb. extra.
„ Carbol. Xtls., 39/40; 56 lb. drums @ 2/1 lb.; 12 1-lb. Bots. @ 2/4 lb.; Single Bots. @ 2/6 lb.; Detacbed Cryst. 1 lb. @ 2/8 lb.; Crude Black, 45 gall. casks @ 1/1 gal.; 5 gall. drums @ 1/8 gall.; 1 gall. tins @ 2/6 each.
„ Citric, cryst., B.P., '85, 7 lbs. in bags @ 3/2 lb.; powder, ½d. lb. extra.
„ Diethylbarbituric, 1 oz. @ 6/6 oz.
„ Gallic, pur., P.B., 7 lbs. @ 6/9 lb.; 1 lb. @ 7/- lb.
„ Hydrobrom., 6 lbs. @ 2/6 lb.
* „ Hydrochlor. Coml., cases of 4 2-gal. jars, 28/6 each; 20 case lots @ 27/6 each.
* „ Hydrocyan. P.B., 6 lbs. @ 1/7 lb.; 1 lb. @ 2/- lb.; 36 1-oz. Vials @ 7/6 doz.
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„ Pbosph. Dil. B.P., 6 lbs. @ 5d. lb.
„ Salicyl. pulv. 1 lb. @ 11/- lb.
„ Sulphur, Coml., cases, 4 2-gal. jars @ 36/- each; 20 cases @ 35/- each.
„ Sulph. Aromat. B.P., 5 lbs. @ 4/4 lb.
„ Tannic, B.P., 1 lb. @ 6/6 lb.
„ Tart., cryst. or pulv. B.P., 1885, 7 lbs. @ 2/11 lb.; parv. ¼d. lb. extra.
Adeps Benz., B.P., 28 lbs. @ 1/0½ lb.; 7 lbs. @ 1/1½ lb.
Ærugo Æris Pulv., 14 lbs. @ 1/5 lb.
Aloes Barb., English-ground, 28 lbs. @ 120/- cwt.; 7 lbs. @ 1/3 lb.
Aloes, Socot. 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/6 lb.
Aloin, B.P., 1 lb. @ 5/6 lb.
Ammon. Benz., 7 lbs. @ 26/- lb.; 1 lb. @ 27/- lb.
Ammon. Brom. P.B., 7 lbs. @ 6/6 lb.
Ammon. Carb. lump, 3 cwt. @ 8d. lb.; 28 lbs. @ 9d. lb.; 7 lbs. @ 9½d. lb.; powder, ½d. lb. extra.
Ammon. Chlor., 99% pulv., 1 cwt. @ 59/- cwt.; 7 lbs. @ 7½d. lb.; Batteries, 6/- cwt. extra.
Amyli Pulv., 10 cwt. @ 30/- cwt.; 2½ cwt. @ 31/- cwt.; 1 cwt. @ 32/6 cwt.
Aniseed, English ground, 1 cwt. @ 62/- cwt.; 7 lbs. @ 7½d. lb.
Antim. Nig. Pulv., 7 lbs. @ 10d. lb.
Antim. Tart. Pulv., 7 lbs. @ 3/- lb.
Apiol, 1 lb. @ 27/6 lb.
*Aqua Anethi Conc. 1–40, 1 lb. @ 3/5 lb.
* „ Anisi Conc. 1–40, 1 lb. @ 3/5 lb.
* „ Aurant. Conc. 1–40, 1 lb. @ 6/8 lb.
* „ Aurant. Trip., 6 lbs. @ 8d. lb.; 53 lbs. for 23/-
* „ Cinnam. Conc. 1–40, 1 lb. @ 3/10 lb.
* „ Laurocerasi, 6 lbs. @ 8d. lb.
* „ Menth. Pip. Conc., 1–40, 1 lb. @ 3/6 lb.
* „ Rosæ Conc. 1–40, 1 lb. @ 7/6 lb.
* „ Rosæ Trip., 53 lbs. for 25/-; 6 lbs. @ 8d. lb.
* „ Samb. Conc., 1–40, 1 lb. @ 6/8 lb.
* „ Samb. Trip., 6 lbs. @ 8d. lb.
Araroba, fine powder, 7 lbs. @ 8/- lb.; 1 lb. @ 8/6 lb.

Argent. Nit., 6's to oz., 25 oz. @ 2/4 oz.; 1 oz. @ 2/5 oz.
Argent. Nit., Cryst., 25 oz. @ 2/2 oz.; 8 oz. @ 2/3 oz.
Arsenic, Alb. Pulv., 2 cwt. @ 43/6 cwt.; 7 lbs. @ 5½d. lb.
Atropinæ Sulph., P.B., 1 oz. @ 165/- oz.
Auri Cblor., 6 doz. 15 gr. tubes @ 22/6 doz.; 1 doz. 15 gr. tubes @ 22/9 doz.

*Bals. Copaibæ, pure, 44 lbs. @ 3/2 lb.; 9 lbs. @ 3/6 lb.; 1 lb. @ 3/9.
„ Peruv., P.B., 1 lb. @ 19/- lb.
„ Sulphur, 7 lbs. @ 1/- lb.
„ Tolut. B.P., 50 lbs. @ 2/- lb.; 1 lb. @ 2/10 lb.
Bismutb, P.B., Carb., 3 lbs. @ 13/6 lb.; 1 lb. @ 14/- lb.; subnit., 3 lbs. @ 12/6 lb.; 1 lb. @ 13/- lb.
„ Salicyl., 1 lb. @ 24/- lb.
Boracic Mixture, 1 cwt. @ 85/- cwt.
Borax, 1 cwt. @ 37/-; powder 1/- extra.
Butyl-Cbloral Hydras., P.B., 1 lb. @ lb.

Caffeine, P.B., 1 lb. @ 40/- lb.
Caffeinæ Cit., B.P., 1 lb. @ 25/6 lb.
Calamina, powder, fine pink, 5 cwt. @ 25/- cwt.; 1 cwt. @ 28 - cwt.; 7 lbs. @ 4d. lb.
Calamine, B.P., 1885, 7 lbs. @ 1/3 lb.
Calcii Carb. Præcip., 5 cwt. @ 18/6 cwt.; 1 cwt. @ 23/- cwt.; 28 lbs. @ 27/6 cwt.
„ Hydras., P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.
„ Hypopbosph. Pur., P.B., 1 lb. @ 4/- lb.
„ Iodid., 1 lb. @ 21/6 lb.
Camphor, Englisb Flowers, "not artificial," 5 lbs. @ 2/7 lb.; ½ oz. or ¼ oz. 7 lbs. @ 3/1 lb.; good wbite, about 95% as imported, 140 lbs. @ 1/9½ lb.; 28 lbs. @ 2/1 lb.
Capsicine, soluble, 1 lb. @ 9/6 lb.
Carbo Animalis or Ligni, powder or lump, 1 cwt. @ 25/- cwt.; 28 lbs. @ 3½d. lb.
Cardamoms, 28 lbs. @ 3/3 lb.; 7 lbs. @ 3/6 lb.
Carmine, Finest, 1 lb. @ 30/- lb.; No. 2, 1 lb. @ 25/- lb.
Cera Alba, B.P., White Moons, 28 lbs. @ 2/2 lb.; 4 lbs. @ 2/4 lb.; Flav. 1 lb. Blocks, 28 lbs. @ 1/9½ lb; 4 lbs. @ 1/10½ lb.; 1 oz., ½ oz. tabs., 7 lbs. @ 1/10½ lb.
Cerii Oxalas, 1 lb. @ 6/6 lb.
Cetaceum, No. 1, fine white, 64 lbs. @ 1/- lb.; 7 lbs. @ 1/2 lb.; powder, 7 lbs. @ 1/6 lb.
Chloral Hydras Cryst., B.P., 7 lbs. @ 13/- lb.; 1 lb. @ 13/6 lb.
Chlorodyne, 5 lbs. @ 2/6 lb.
*Chloroform, pure, B.P., 12 8-lbs. @ 3/2 lb.; 8 lbs. @ 3/3 lb.; 6 1-lb. bots. @ 3/7 lb.
Cocaine Hydrochlor., 25 ozs. @ 20/-; 4 ozs. @ 22/6; 1 oz. @ 23/-.
Codeina, 1 oz. @ 23/6 oz.; Pbosph., 1 oz. @ 19/6 oz.; Hydrochlor. or Sulph., 1 oz. @ 20/6 oz.
Colocynth, Apple, English ground, 1 cwt. @ 1/4 lb.; 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/7 lb.
Composition Powder (Coffin's), 1 cwt. @ 62/- cwt.; 7 lbs. @ 8d. lb.
Conf. Sennæ, P.B., 14 lbs. @ 1/1 lb.; 7 lbs. @ 1/2 lb.
Cort. Aurant. Exot. Shreds, 7 lbs. @ 2/4 lb.
„ Cinchon. Rub. (Quill), 7 lbs. @ 1/7 lb.
„ Ulmi Fulvæ, Pulv., 1 cwt. @ 11d. lb.; 7 lbs. @ 1/1 lb.
Cream of Tartar, 98% powder, 1 cwt. @ 197/6 cwt.; 7 lbs. @ 1/11 lb.

Creasote, Beechwood, P.B., 7 lbs. @ 12/3 lb.
Creta c. Camph., 7 lbs. @ 10d. lb.
„ Gall. Pulv., in sacks, 10 cwt. @ 9/- cwt.; 1 cwt. @ 11/- cwt.; 14 lbs. @ 1½d. lb.
„ Præparata, 7 lbs. in box @ 1/3 each.
Cubebæ, English Ground, 28 lbs. @ 2/6 lb.; 7 lbs. @ 2/8 lb.

*Dec. Aloes Co. Conc. 1–2, 6 lbs. @ 2/- lb.; Sinecroco, 6 lbs. @ 1/3 lb.
* „ Cinchonæ (Rubræ) Conc., 1–7, 6 lbs. @ 2/2 lb.
* „ Senegæ Conc., 6 lbs. @ 2/10 lb.

Emp. Spread, 12 yards × 16 ins. adbesive, 6/-; Bellad. B.P.C., Green @ 28/6; Cerat. Saponis @ 12/4; Picis Co @ 12/4; Plumbi @ 10/-; Resinæ @ 7/6; Roborans @ 11/6; Saponis, B.P., @ 10/-
Emp. Picis, P.B., 7 lbs. @ 1/1 lb.
„ Plumbi, P.B., 7 lbs. @ 1/1 lb.
„ Resinæ, P.B., 7 lbs. @ 1/1 lb.
„ Roborans, 7 lbs. @ 1/1 lb.
Emulsio Ol. Morrhuæ, 5 lbs. @ 1/7 lb.
Eserine Sulph., in 15-grain tubes, 8/3 each.
Ess. Bergam. (Oil), 12 lbs. @ 21/- lb.; 1 lb. @ 22/- lb.; not guaranteed absolutely pure.
Ess. Limonis (oil) original coppers, 12 lbs. @ 4/3 lb.; 6 1-lb. bots. @ 4/9 lb.; not guaranteed absolutely pure.
*Ess. Moschi (not artificial), 5 lbs. @ 13/6 lb.; 1 lb. @ 14/3 lb.
*Ess. Pear (artificial), Jargonelle, 5 lbs. @ 3/9 lb.; Bergamot, 4/3 lb.
*Ess. Pineapple, 5 lbs. @ 4/- lb.
* „ Raspberry, 5 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.
* „ Vanilla Beans, 5 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.
*Ext. Belladonnæ Liq., B.P., 5 lbs. @ 20/- lb.; 1 lb. @ 20/6 lb.; solid, 7 lbs. @ 11/6 lb.
Ext. Cannab. Ind., Alc., B.P., 1 lb. @ 63/- lb.
Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/8 lb.; 10 lbs. @ 1/10½ lb.
*Ext. Ergot. Liq. P.B., 5 lbs. @ 4/8 lb.; 1 lb. @ 5/2 lb.; Solid, P.B., 4 lbs. @ 25/- lb.; 1 lb. @ 26/6 lb.
Ext. Gent., P.B., solid, 1 cwt. @ 2/- lb.; 7 lbs. @ 2/2 lb.
*Ext. Glycyrrb. Liq., B.P., 6 lbs. @ 2/7 lb.
*Ext. Hamamelis Liq., P.B., 5 lbs. @ 3/11 lb.
Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 12/6 lb.; 1 lb. @ 13/- lb.
*Ext. Ipecac. Liq., P.B., 5 lbs. @ 22/- lb.; 1 lb. @ 22/6 lb.
Ext. Malti c. Ol. Jecoris, 10 lbs. @ 10d. lb.
*Ext. Nucis Vom. Liq., P.B., 5 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.; solid, 5 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.
Ext. Opii Solid, P.B., 1 lb. @ 72/- lb.
*Ext. Opii Liq., B.P., 5 lbs. @ 5/7 lb.; 1 lb. @ 6/2 lb.
Ext. Quassiæ, Solid, 7 lbs. @ 8/- lb.; 1 lb. @ 8/6 lb.
Ext. Sarsæ Co. Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.

Ferri Ammon. Cit., P.B., 28 lbs. @ 3/11 lb.; 7 lbs. @ 4/1 lb.
Ferri Carb., 14 lbs. @ 6d. lb.
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Ferri Sulpb., pure cryst., 1 cwt. @ ; 7 lbs. @ 3½d. lb.
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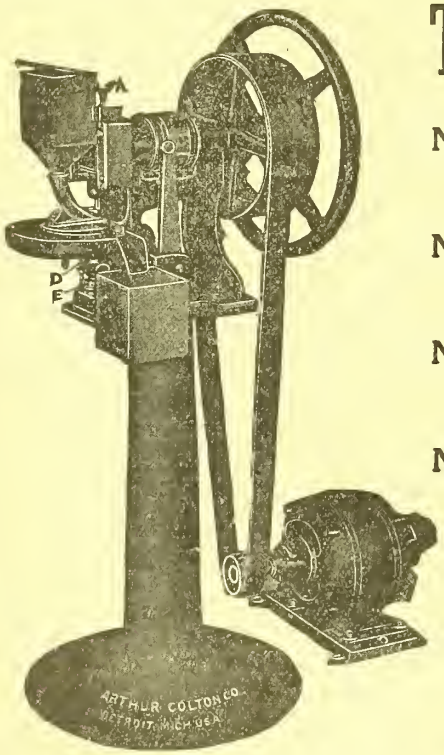

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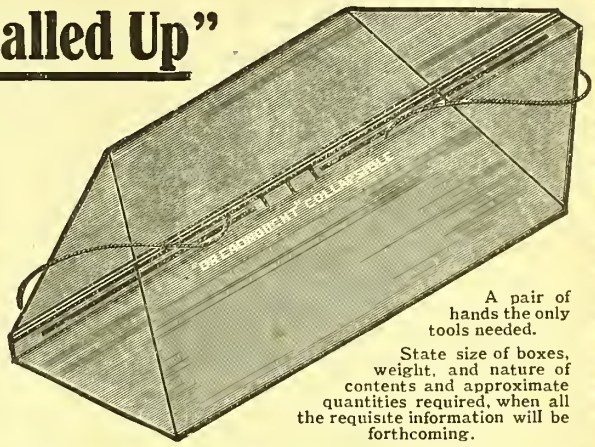

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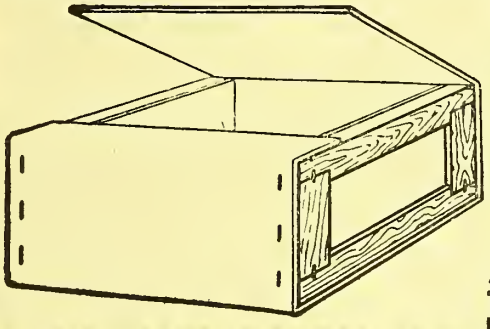

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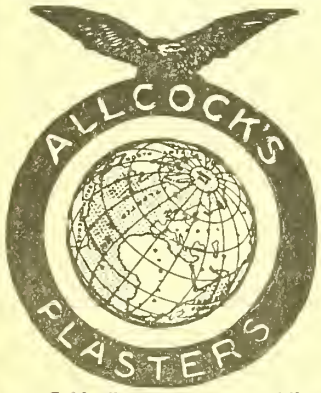

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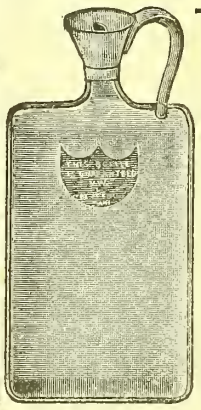

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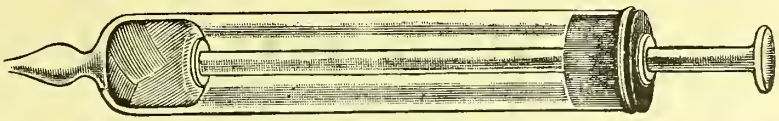

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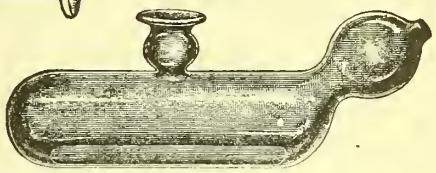

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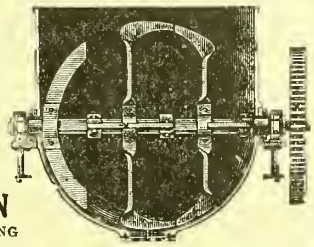

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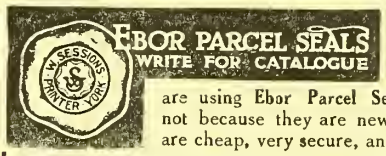

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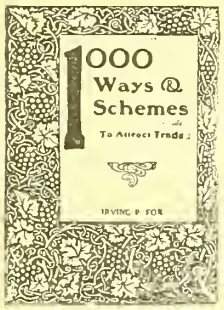

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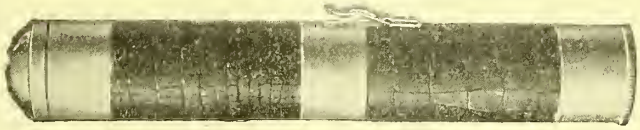

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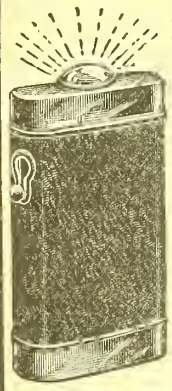

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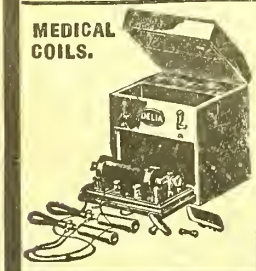

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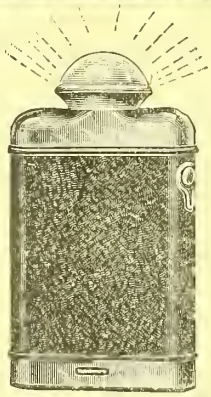

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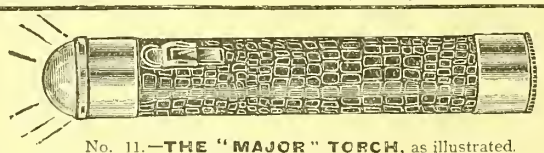

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OFFICE: 42 CANNON STREET, E.C. SATURDAY, OCTOBER 7, 1916.

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5.—SUSSEX COAST.—Well-established Light Retail, Dispensing, and Prescribing Business in rising seaside resort; returns about £650; good profits; splendid house; attractive Pharmacy; price only £250; worth attention.

6.—LONDON, N.W.—Good-class Family Retail, no Photo or Optics; same hands many years, retiring; returns about £1,150; good profits; splendid stock; pleasant locality; price £700.

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CHEMIST and Druggist.—Old-established business in Cornwall for immediate disposal; double-fronted shop and living rooms; lease about 10 years to run, at rent of £78 per annum; turnover until death of late proprietor stated to be £1,000 to £1,200 per annum; offers invited for lease and goodwill; stock and fixtures and fittings (about £350) at valuation. Full particulars of Francis Nicholls, White & Co., 14 Old Jewry Chambers, London, E.C.

CHEMIST'S Business for Sale in Liverpool district, populous neighbourhood; turnover averages £760 per annum; good living accommodation; an excellent opportunity to secure a sound business; reason for sale, ill-health; rent £33 per annum and taxes; established 20 years. Full particulars from Parkin S. Booth, F.A.A., 2 Bixteth Street, Liverpool.

CHEMIST'S Business, near Crystal Palace, for Disposal, by order of creditors; trade about £850 per annum (arrangements might be made for further £350 per annum Dispensing only); rent £50 on lease; handsomely-fitted shop, side entrance to house, 6 rooms; in capital order; large Store in rear; cash necessary about £400. Apply to Francis French & Co., Auctioneers and Valuers, 10/12 Eastcheap, E.C.

CHEMISTS', old established, to Let; would suit Druggist and Extractor. For key, 24 Cobbold Road, Station Road, Forest Gate.

FOR Sale, as from Lady Day next, very old-established Business in small country town in Devonshire; thoroughly genuine; low rent. Full particulars apply to 94/60, Office of this Paper.

MIDDLE and working-class Business in N.E. industrial town, where eligible Chemists are exempt; turnover January-September £1,428 9*s.* 10*d.*; exceptionally profitable; sure competency for man who can do the work; owner retiring, as did predecessor (founder); price £950; half can remain with suitable man; Optics or Dentistry could be added to big advantage. 207/36, Office of this Paper.

PHARMACIST offers good-class Dispensing, Family, and Light Retail Business for Sale as a going concern, owing to failing health; good residential neighbourhood in outskirts of large town, North of England; profitable turnover approximately of £1,000; established 1900; no Insurance; Manager with view to succession entertained; own premises, well fitted and fully stocked; valuation about £600; property £1,250 or at rental; only genuine replies entertained, and references required. Apply, 207/7, Office of this Paper.

£175 BUYS unopposed Business in populous district on South Coast; returns £500-£600 at good profits; nicely fitted and well stocked; a bargain not to be missed; man with small capital could do well. 206/17, Office of this Paper.

£135 WILL secure a good increasing Business, stock and fittings, etc., in main road, Southend-on-Sea; central position; trade returns £650; rent £52; rates and taxes £14; owner called up; must be sold immediately. Gower's Cash Drug Stores and Herbalist, 25 Southchurch Road, Southend-on-Sea, Essex.

PREMISES TO LET.

SHOP premises in heart of a good-class business centre, where Liptons, Boots, Sainsburys, Freeman, Hardy & Willis, Singers, Home & Colonial, and other important firms, including three banks, have secured positions; we have to Let the remaining few shops; a really first-class opportunity; call if possible. Biscoe & Stanton, F.S.I., Harrow, Middlesex.

PARTNERSHIPS.

ENTERPRISING Chemist, with moderate capital, wanted to join Advertiser in starting a Mail Order business for Medical and Toilet Specialities; need not interfere with present business; big scope and bigger profits; advertiser has scheme and part capital ready. Mr. Wensley, Room 7, Holborn House, 22 Gray's Inn Road, London, W.C.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

EGYPTIAN Merchants with Offices in Cairo and other towns in Egypt are open to accept Representations for Patent Medicines, Drugs, Fancy Soaps, Toilet Specialities, etc.; best connection amongst the leading Druggists and Chemists all over Egypt; offers from young and progressive firms would be entertained. Apply, 197/26, Office of this Paper.

JAVA.—Advertiser, after some twenty years' successful independent working in Java, Pharmaceutical trade, fully cognisant of the requirements of the Tropics, shall be pleased to learn whether your interests would be benefited by appointing a Representative for Netherlands Indies in Holland and Soerabaja; Banking Account: Hong-Kong and Shanghai Banking Corporation, Soerabaja. Apply, "Pharmacia," Purchasing House for Netherlands Indies, Amersfoort, Holland.

A PHARMACIST, with many years' travelling experience for a London Manufacturing House, specializing in Foods, Digestive Ferments, Organic Animal Extracts, etc., now disengaged, with first-class connections in Lancs, Yorks, and Cheshire, wishes Representation or commission on similar or allied lines; his reference, etc., O.K. 209/10, Office of this Paper.

AGENTS or Representatives required for Scotland, North, East, and Midlands, for a few first-class Toilet and Sundry Articles and a series of Preparations; splendid opportunity for smart salesmen; applicants must have good connections, every application replied to. 95/13, Office of this Paper.

ESTABLISHED Australian House trading with Australasia and the Far East is open to accept the Sole Agency and Representation of first-class Manufacturers of Fancy Soaps, Toilet Novelties, Essential Oils, Perfumery, etc.; would be prepared to consider applications from young progressive firm. Apply, 181/26, Office of this Paper.

FRENCH and English Chemists, doing a good Wholesale and Retail business in Chile, S.A., are open to take up exclusive Agencies; keep your trade out of German hands; references, Evans Sons Lescher & Webb, Ltd. Address, Mahuzier Succesores, P.O. Box 265, Concepcion, Chile, S.A.

FOR SALE.

BOTTLES.—Offers wanted for several gross of 3 to 16 oz. Flats, 3 to 16 oz. Direct Squares, plain and graduated, and 2 to 12 oz. Blue Fluted Poisons. 210/24, Office of this Paper.

CASH Register Till, total adding and detail strip printing; nearly new; bargain; by post. F. O'Malley, 3 Hemingford Road, Barnsbury, N.

FOR Sale, Surgeon Retiring.—Set Surgery Bottles, wide and narrow mouths, 10- and 20-oz., varnished yellow labels, acids engraved labels; also some Drugs, Instruments, and Appliances. 93/67, Office of this Paper.

FOR Sale.—Entire fixtures of Chemist's shop: Counters, Showcases, Nests of Drawers, Shop Rounds, Jars, Carboys, etc.; cheap; can be seen by appointment. J. Smith & Son, 134 Sneinton Road, Nottingham.

WHAT Offers?—50 lb. Acid Salicylic, Technical 98.6 per cent. pure. 95/3, Office of this Paper.

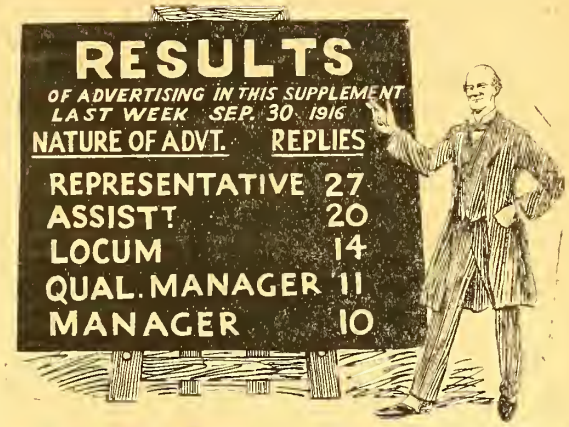
APPRENTICESHIPS.

YOUNG lady (19) seeks position as Apprentice, Manchester district; willing to be generally useful. 206/19, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

BATH.—Assistant required in Dispensing business who has had experience in good-class Pharmacy; ineligible if male. In applying, kindly give particulars of experience, qualification, and salary required, and state when at liberty, J. Hawes, 37 St. James's Square, Bath.

BOLTON.—Qualified; good Window-dresser and Counterman; Light Retail, N.H.I.; reasonable hours; live out. State age, salary required, photo, and references, Charles Crane, Ltd., Chemists, Opticians, 235 & 237 St. Helen's Road, Bolton.

CASTLEFORD.—Wanted, reliable Assistant, ineligible; good Dispenser. Apply, with references, stating age, experience, salary required, to T. C. Binks, Chemist, Castleford.

CHESTERFIELD.—Dispenser wanted for duration of war; ineligible; qualified preferred. State age, height, experience, and salary required, to Dent, Chemist, Chesterfield.

DARLINGTON.—Managing Assistant required, also one with Wholesale experience; abstainers preferred. Apply, stating age, height, experience, and salary required, to Waters, Chemist, Darlington.

LANCASHIRE.—Unqualified Assistant; ineligible for Army; Photographic or Optical (Fitting) experience essential; comfortable permanency with progressive salary offered to the right man. "Cotton" (206/103), Office of this Paper.

LANCASHIRE.—Elderly or active crippled Pharmacist, Retail and N.H.I. Give references, age, salary, and usual particulars, 209/9, Office of this Paper.

LANCASHIRE.—Wanted, Assistant, gentleman if ineligible, or lady. State full particulars, 208/28, Office of this Paper.

LEEDS.—Wanted, a qualified Manager, ineligible for military service, for Retail Pharmacy at 13 Briggate, Leeds. Apply, stating full particulars, Reynolds & Branson, Ltd., Leeds.

LEEDS.—Wanted, Improver or Junior, Light Retail and N.H.I. Dispensing. Harrison, 25 Hyde Park Road, Leeds.

LEEDS.—Qualified Assistant wanted, ineligible for the Army, or Lady, for high-class Dispensing and Retail Department. Apply, with full particulars, to Chas. F. Thackray, Great George Street, Leeds.

LONDON, E.—Young lady Assistant required for modern Chemists' business; one who has had good Counter experience preferred; permanency with good salary. "East" (206/102), Office of this Paper.

LONDON, N.W.—Lady Assistant required, with good-class Dispensing experience; indoors. Apply, Elmer Pettinger, 30 Rosslyn Hill, Hampstead, N.W.

LONDON, N.W.—Wanted at once, unqualified Assistant, ineligible for Army, outdoors, mainly for Dispensing. Apply, with full particulars, W. R. Ames, High Street, St. John's Wood.

LONDON, S.E.—Assistant wanted (outdoors) for quick Cash business; close Thursday 1 o'clock; no Sunday duty. State experience and salary required, Brooks' Drug Stores, corner of High Street, Broadway, Deptford.

LONDON, S.E.—Assistant wanted; outdoors; others kept; Dispensing, Retail and Photographic; close 1 o'clock Thursdays; no Sunday duty. State experience and salary required, A. J. Wing, Chemist, 69 Powis Street, Woolwich.

LONDON, S.W.—Wanted, by firm of Doctors, two qualified lady Dispensers; hours, one 9 a.m. to 4.30; the other 4.30 to 9.30 p.m.; no Sunday work; give usual particulars and salaries required. Apply, 207/34, Office of this Paper.

LONDON, W.—Wanted, a competent Assistant; outdoors; now disengaged. Apply, W. F. Pasmore, 320 Regent Street, W.

LONDON, W.—Capable, active Assistant required; ineligible. Full particulars to H. N. Davidge, 11 Shaftesbury Avenue, Piccadilly Circus, London, W.

LONDON, W.—Lady Assistant wanted (part-time), principally for making and putting up stock. Apply, 96/13, Office of this Paper.

NEWCASTLE, Staffs.—Wanted at once, Branch Manager, qualified, ineligible, for good-class Store business. Apply, with references, stating age, experience, and salary required, to Oxene, Ltd., The Rexall Pharmacy.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

NORTH WALES.—Qualified Manager for country branch near Wrexham; industrial village; beautiful country near; excellent berth; good house, commission; permanency only; abstainer. Full particulars to L. Rowland & Co., Wrexham.

ROSS-ON-WYE.—Gentlemanly Assistant, mainly for Dispensing; in or outdoors. Hart, Ph.C., Ross-on-Wye.

S. WALES.—Qualified Assistant required for progressive Cash business; comfortable and permanent berth for willing worker. State salary required and when at liberty, "S. W." (206/10), Office of this Paper.

SHOREHAM.—Wanted, Junior Assistant at once; ineligible for military service; unqualified; outdoors; half-day Wednesdays; no Sunday duty. State references and salary required, to Glasspool, Pharmacist, Shoreham-by-Sea.

SOUTH KENSINGTON.—Assistant, with good Dispensing experience; outdoors. Apply, W. Ive, 115 Gloucester Road, South Kensington, S.W.

SOUTH OF ENGLAND.—Assistant required; free removal; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SURREY.—Capable Assistant wanted at once; must be good Counterman and experienced; outdoors; permanency to suitable man; must be ineligible. Apply, with full particulars and salary required, John Cross & Co., Chemists, Redhill.

SWINDON.—Assistant (ineligible) for good-class Mixed Retail, Photography, and Dispensing. Green & Co., Swindon.

TAMWORTH.—Junior Assistant; ineligible; smart, and used to brisk Counter trade and Photographic; outdoors; easy hours; give full particulars and photo if possible; required end of September; every consideration to suitable man. Lands, Chemists, Tamworth.

WEST END.—Capable Assistant, ineligible, required at once for Dispensing, Stock, and Counter work; hours 9 till 7.30; Sunday duty one in four; must be reliable; good references. Apply, stating salary and full particulars, to 207/11, Office of this Paper.

WORCESTER.—Assistant required, chiefly for Dispensing; qualification not essential. State age, experience, references, salary required, and enclose photo, Anderson & Virgo, Chemists, Worcester.

ASSISTANTS (female) wanted for executing of post orders in the Retail Drug trade; good salary will be paid to experienced Assistants, who should have knowledge of Patents and Druggists' Sundries. Write, stating full particulars of past experience, to "L. J. 884," Sells Advertising Offices, Fleet Street, E.C.

ASSISTANT (unqualified), thoroughly capable, male or female, required, with good experience of first-class Retail trade; permanency; good prospects. State age, commencing wages required, and full particulars of previous appointments, to Manager, Junior Army and Navy Stores, Aldershot.

ASSISTANT wanted for Cash business (London); outdoors; ineligible Junior or energetic Senior; now or about three or four weeks time. Apply, "Antipyrin" (209/350), Office of this Paper.

JUNIOR Assistant wanted in West-End Pharmacy; hours 8.30 to 8. Apply, stating salary required and usual particulars, to "M." (94/300), Office of this Paper.

LADY Dispenser wanted immediately for Friendly Societies Institution; must be fully qualified. Apply, with references, stating salary required, to 202/14, Office of this Paper.

LADY Dispenser and Bookkeeper required by a firm of two Doctors about an hour's run from London; must be qualified. Apply, stating salary (outdoors), age, experience (an objection to one seeking her first post), and enclosing testimonials, references, etc., to "D. M. L." (207/19), Office of this Paper.

MANAGER for small business in healthy, working-class suburb; suit lady or elderly man wanting easy post; qualified man for part-time might do. Chemist, 25 Friern Barnet Road, N.

MANAGER wanted by October 30 for small market town; good-class Retail, Dispensing, and Photographic business; must be good Counterman and Prescriber and understand the Agricultural side. Apply, with full particulars as to salary and experience, to Holme, Chemist, Wallingford, Berks.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

M.P.S.—Wanted few hours weekly, with view to longer hours shortly, Analytical experience useful, very light duties and advise on Medico-Dental Specialities, permanency and excellent prospects to keen business man, must reside in Birmingham district, for Laboratory. Write, Harrison, 68 Gravelly Hill North, Birmingham.

PART-TIME Assistant, qualified or unqualified, required during winter months (Southend district), Monday, Tuesday, Thursday, and Friday evenings 4 p.m. to 8 p.m. approximately. Address, "Crowstone" (206/14), Office of this Paper.

PHOTOGRAPHIC Assistant, lady, about 25; must have good knowledge of the work and be a good Saleswoman. Send full particulars of experience, salary required, and photo, to Mr. Reid, 2 & 3 Queen Street, Exeter.

QUALIFIED Assistant (ineligible or above military age) required; must be a good Counterman and Dispenser. State age, salary required, and when at liberty. "Bar" (206/104), Office of this Paper.

QUALIFIED Manager required for up-to-date Light Retail business situate in the provinces; good salary with interest in the profits offered to a smart and capable man; married man preferred. "North" (206/101), Office of this Paper.

QUALIFIED, smart, reliable Assistant, Window-dresser, capable taking charge occasionally, reasonable hours, comfortable permanency, Light Retail and Dispensing: two others kept; indoors or outdoors, indoors preferred; arrangement could be made for married man to occupy premises over business. Apply, stating salary, references, photo if possible, Oliver, Chemist, Maidstone.

QUALIFIED Manager required for old-established Chemist's business, with a view to purchase on easy terms; populous district; unique opportunity. Apply, "Executor," c/o Birchall's Advertising Agency, Liverpool.

QUALIFIED Junior (ineligible) wanted. State age, height, and salary, indoor or out, E. Kershaw & Son, Chemists, Alderley Edge, nr. Manchester.

THOMPSON & CAPPER have vacancies for qualified and unqualified Assistants (either sex). Apply, in the first place, to Manesty Buildings, College Lane, Liverpool.

UNQUALIFIED Assistant, possessing a good knowledge of Counter trade and Dispensing, required for a very comfortable berth in the West Riding of Yorkshire; must be single and of good address. "Birk" (206/100), Office of this Paper.

WANTED, Assistant to Manage Branch; married or single; good house (country). Apply, 204/28, Office of this Paper.

WANTED, November 1st or thereabouts, a competent Assistant, qualified or unqualified, for a good-class Dispensing and Retail business; capable Dispenser essential; ineligible for military service. Send references and particulars to W. Parry-Jones, Chemist, Barnet.

WANTED, young lady Assistant for Retail Drug Department. Apply at once, stating age, experience, and wages, to Stocksbridge Band of Hope Industrial Co-operative Society, Ltd., Stocksbridge, near Sheffield.

WANTED, a fully competent, qualified Assistant for Retail and Dispensing business. State age, height, and experience, 206/24, Office of this Paper.

WANTED, an Assistant (outdoors) for good-class Retail and Dispensing; ineligible. Apply, with full particulars and salary required, C. Stevens, 38 Heath Street, Hampstead, W.

WANTED at once, experienced woman as Dispenser and Bookkeeper to Doctor; work light. Apply, stating experience and salary required, to "C. G. R.," 108 Ashby Road, Loughborough.

WAR-TIME Assistant; must be a reliable Dispenser; male or female: full or part-time. Send full particulars to Cartwright, 69 Leytoustone Road, E.

45s. WEEKLY (Outdoors).—Assistant wanted in good-class Dispensing and Retail business. Apply, with full particulars, to Price, Chemist, 2 Guildford Road, Woking, Surrey.

WHOLESALE.

EXPERIENCED Assistant required for Counter Specialities for Packed Goods Department in London Wholesale House; ineligible. Apply, giving full particulars, 92/370, Office of this Paper.

LABORATORY.—Charge hand required, experienced in the Manufacture of Toilet Preparations, general Packed Lines, and Galenicals (S.E. London); applicants must be ineligible, and should state age, experience, salary required, and when disengaged. Lorimer-Marshall, Ltd., 12 Tower Hill, London, S.E.

LABORATORY Assistant required by a London Wholesale house, experienced in the Manufacture of Galenicals, etc. State age, experience, and salary required, 210/21, Office of this Paper.

PHENACETIN, RESORCIN.

Chemist wanted to manufacture either or both, excellent opening.—Apply A. B. (94/5), Office of "The Chemist & Druggist," 42 Cannon Street, E.C.

LABORATORY Assistant required in London Refinery (Oils and Greases, etc.); good opening for experienced man with commercial formulæ, or Junior desiring practical experience. State salary and full particulars, "Z. Z. 279," c/o Deacon's, Leadenhall Street, E.C.

LADY Assistant wanted for Manufacturing Chemists' Laboratory in South-East London; applicants must have some experience in the Manufacture of Toilet Preparations and general Packed Goods. Apply, giving full particulars of age, experience, and salary required, to 94/36, Office of this Paper.

LEADING London House requires experienced Checker and Despatch Clerk for Export Department; ineligible. Apply, giving full particulars, 92/73, Office of this Paper.

MAN wanted as Bottle Stockkeeper and Porter; applicants must be ineligible for military service, and should give full particulars of age, experience, and salary required, to Lorimer-Marshall, Ltd., Britannia Works, Cold Blow, Hatcham, London, S.E.

MESSRS. WILLOWS, FRANCIS, BUTLER & THOMPSON, LTD., 40 Aldersgate Street, London, require a Wet Floor Assistant, a Laboratory Porter, and a Pill Maker.

PERFUMER and Toilet Soap.—Manager Wanted to control and develop Manufacturing Export Department and assist with home trade. Apply, with fullest particulars and salary required, to 94/2, Office of this Paper.

PILL Maker, ineligible for military service, immediately, by South London Wholesale Druggists. Particulars of experience and references to "Aqua Dest." (210/22), Office of this Paper.

RELIABLE man, about 26-30, knowledge of Drugs, to pack and attend Wholesale orders and serve at Counter; £40 (indoors) to start; good references; permanency; ineligible or deferred call. Apply, Deakin & Co., Blaenavon, Mon.

REPRESENTATIVE wanted by a Wholesale provincial House, to call upon medical men, chiefly in Wales; one with a knowledge of the country preferred; must be ineligible for Army. Write full particulars, with age, experience, salary required, recent reference, and when disengaged, 208/24, Office of this Paper.

REPRESENTATIVE to take additional commission in London district for Drugs and Packed goods; first-class references required. 207/29, Office of this Paper.

REQUIRED, young, unqualified Chemist to take charge of Incidental Instrument Department in Wholesale Specialty house; male or female; should have some knowledge of Drugs, Sprays, Inhalers, Hypodermics, etc. Apply, stating salary expected, etc., to 94/42, Office of this Paper.

REQUIRED, competent Traveller to call upon Chemists in London area; ineligible for military service. Write, full particulars, age, experience, and salary, to 96/32, Office of this Paper.

THOROUGHLY experienced Foreman required for Toilet Soap Works; must have had practical experience and control of large staff. Apply, stating fullest particulars and salary required, to 94/200, Office of this Paper.

VINOLIA CO., LTD., require an experienced Chemist to take charge of the Manufacture and Compounding of Pharmaceutical and Toilet Preparations; able to work up and develop new ideas; must be ineligible for military service. Apply, with full particulars, and stating salary required, to "Wor," Managing Director, Vinolia Co., Ltd., Bebington, Cheshire.

WANTED, competent Assistant for Pharmaceutical Laboratory; qualified or unqualified; must be physically strong and have had previous Manufacturing experience; ineligible for Army. Apply, giving full particulars of age, experience, salary asked, etc., to 92/63, Office of this Paper.

WAREHOUSEMAN and Head of Despatch Department required by Wholesale Drug House (London); must be thoroughly well up in such duties, and capable of fully controlling staff; good remuneration offered to the right man. Apply, with fullest particulars of past experience, salary required, etc., 74/25, Office of this Paper.

WHOLESALE.—Required, experienced man or youth, ineligible for Army, to put up Doctors' orders. Apply, giving recent references, age, and wages required, Wharram, Ltd., 115 Vicar Lane, Leeds.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

CALCUTTA.—Qualified Assistant, free from military service, for large European House; 4 years' agreement; salary 275 rupees a month, second year 300 rupees per month, third year 325 rupees per month, fourth year 350 rupees per month; second-class passage paid out and home; good opportunity for a smart man. Apply, "G. K.," Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, E.C.

NAIROBI, British East Africa.—Qualified Assistant required, exempt from military service; young man who has passed his Minor about three years; agreement for three years; salary £20, £25, and £30 per month respectively; passage paid out and home. Apply "G. K.," Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, E.C.

SHANGHAI.—Qualified Assistant required in old-established high-class English House; ineligible for military service; English-speaking Belgian would be considered; liberal terms and conditions. Full particulars to "Shanghai," c/o Street's, Cornhill, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]

RETAIL.

A DISPENSER; unqualified; tall; ineligible; knowledge of Bacteriology; Birmingham district; good references. 209/2, Office of this Paper.

A LOCUM, qualified, age 38, ineligible, excellent references, disengaged October 23; or other appointment. 207/23, Office of this Paper.

ADVERTISER (43) desires change; 10 years present berth, 6 years last; excellent experience and references; able to Control, Buy and Sell; trustworthy position only entertained; Retail or Wholesale; unregistered. "Tall" (208/6), Office of this Paper.

AS Branch Manager or Assistant; London only; abstainer; unregistered; disengaged. "Statim," 28 Sydney Street, Chelsea, S.W.

AS Manager or Assistant; qualified; 24; 7 years' good experience; ineligible. Apply, 208/34, Office of this Paper.

ASSISTANT; unqualified; 38; N.H.I. Dispensing; good references; S.W. district preferred. 75 High Street, Hampstead.

ASSISTANT, shortly disengaged; unqualified; discharged from Army; 5 years' experience; excellent references; London preferred. 208/4, Office of this Paper.

ASSISTANT or Manager; 49; tall; good experience and appearance; seeks permanency, London or suburbs; married; reliable, trustworthy. 210/20, Office of this Paper.

ASSISTANT, lady; Hall certificate; 4½ years' experience; W. or S.W. district preferred. Apply, 210/10, Office of this Paper.

COMPETENT Dispenser; high-class Retail; qualified; 23; energetic; interested; permanency; Manchester district. 208/35, Office of this Paper.

DISENGAGED; 29; good Retail Dispensing, Photographic experience; height 5 ft. 7½ in. 9 Avondale Road, Eastbourne.

DISENGAGED; 26; all-round experience; reliable; Locum or permanent. Newman, "The Nest," Spring-Grove Road, Hounslow.

DISENGAGED 9th, Locum, permanency. "Locum," c/o Dolman & Sons, Chemists, Cheltenham.

DISPENSER (lady); Hall qualifications; whole- or part-time. Miss B. Starling, 6 Trouville Road, Clapham Park, S.W.

DISPENSING Assistant required; one with best experience, and perfectly reliable; outdoors; easy hours; liberal salary to good man. State age, experience, salary required, and submit photo to "Somme" (209/7), Office of this Paper.

DISPENSER (lady), qualified, desires post, Hospital or Doctor; London preferred. 210/38, Office of this Paper.

ENERGETIC Traveller for Chemist or Packer; disengaged. Ormond, c/o Evans, 158 City Road, Cardiff.

GIRL, aged 16, just left school, would like to help Chemist; could assist at Packing and help with Books; North London district. "Junius" (209/35), Office of this Paper.

JUNIOR Assistant (22), ineligible, Photography, requires London position. Paul, 251 Upper Street, Islington, N.

LADY Dispenser (Apothecaries' Hall) requires post or Locum, London; free October 9th. Dispenser, 343 High Road, Chiswick.

LADY Dispenser (Apothecaries' Hall) desires post at Bath or Salisbury; 3½ years' experience. Wilson, 372 Camden Road, London, N.

LADY Dispenser, experienced, requires post, in or near London preferred, or Locum. Apply, 207/39, Office of this Paper.

LADY (Minor) requires evening post. Chave, 154 Charing Cross Road.

LADY Dispenser (Hall qualification) desires post; Locum or permanency with Doctor or Institution; London area preferred. "G.," 32 Carholme Road, Forest Hill.

LADY Dispenser (Apothecaries' Hall), experienced, requires re-engagement (London); Bookkeeping, etc. 207/24, Office of this Paper.

LADY Dispenser, qualified, desires post in or near London; Hospital experience. Apply "S. G.," 112 St. George's Road, Southwark, S.E.

LADY Pharmacist desires post in Leeds; good Dispensing experience; Retail and Clerical work. Apply, 210/35, Office of this Paper.

LADY Dispenser (Hall) desires afternoon post (London). 210/37, Office of this Paper.

LOCUM or otherwise; London or suburbs; all-round experience; reliable. "D.," 82 Marlborough Road, Romford.

LOCUM; Hall qualification; 48; no infirmity; experienced; good appearance; abstainer; disengaged October 11th to 25th. "S.," 3 Windsor Place, Senghenydd.

LOCUM Tenens, disengaged, Assistant or Manager. Address "Locum Tenens" (208/1), Office of this Paper.

LOCUM; 53; unregistered; experienced Prescriber, Counterman, etc. (not Photographic); references. "Terms," 73 St. Andrews, Uxbridge.

LOCUM or permanency; first-class experience; competent; unqualified. "Ineligible," 50 Foxley Road, Brixton.

LOCUM; experienced; disengaged October 16; Devon, Cornwall or South. "Locum," c/o 18 Broad Street, Southmolton, Devon.

LOCUM, qualified, disengaged October 12. "Alpha," c/o Mr. Day-Lewis, Chemist, Ponders End.

LONDON District.—Advertiser, age 41. Major qualification, desires situation, Dispensing or Counter work. Hopkins, Mugswell Farm, Chipstead, Surrey.

MANAGER; qualified; Dispensing, Prescribing, general Light Retail; Midlands or North. Apply, "Branch," 1 Rostrevor Terrace, Hartshill, Stoke-on-Trent.

MANAGER or Managing Assistant, unqualified, desires permanency in good-class business; 18 years' all-round experience; first-class testimonials; married. Apply to "C.," 2 Rhine Villa, Jackson Road, Clacton-on-Sea.

MANAGER or Senior Assistant; over military age; Manchester district; first-class experience; disengaged shortly; unqualified; Dental Operator. "D.," 114 Devonshire Street, Higher Broughton, Manchester.

MANAGER or Locum; qualified; disengaged; good references. Pharmacist, 165 Percy Road, W.

MANAGER; middle-age; ineligible; good all-round experience and credentials; Midlands preferred. 208/18, Office of this Paper.

MANAGER or Managing Assistant; qualified; married; high-class experience; ineligible; City or West End; disengaged October 10th. Apply, 208/8, Office of this Paper.

MANAGER, qualified (43), high-class Dispensing, N.H.I., Photography, desires responsible position in London district; disengaged October 12. "Alpha," c/o Mr. Day-Lewis, Chemist, Ponders End.

MANAGER; qualified: 28; married; disengaged end October; first-class Dispensing and Retail experience. 207/35, Office of this Paper.

MANAGER; qualified: married; twenty years' high-class London and provincial experience; thoroughly competent to take entire charge; London district preferred; disengaged in November. Apply, 208/36, Office of this Paper.

MANCHESTER or District.—Young lady as Chemist's Assistant; Dispenser to Doctor or Hospital; Dispensing and Counter experience. 207/33, Office of this Paper.

PART-TIME, London.—Lady, very capable, reliable; experienced Front Counter, Dispensing, care Stock; could take charge. N.I. or assist Doctor. 206/11, Office of this Paper.

PART-TIME.—Elderly, active; unqualified; within easy reach. 41 Voltaire Road, Clapham.

PHARMACIST (43) desires berth Liverpool neighbourhood; reasonable salary; good experience; disengaged. Apply, 210/6, Office of this Paper.

POST required by lady Dispenser with Institution or Doctor; Hall qualification; two years' experience; good references. "H.," 31 N. Boulevard, Hull.

QUALIFIED, permanent or temporary Manager, by elderly, active man; reliable references. 207/14, Office of this Paper.

QUALIFIED: 48; moderate hours and salary; any capacity. 206/16, Office of this Paper.

QUALIFIED Manager (44) desires engagement; in or near Leeds preferred; Prescribing, Photography, Extracting, and Optical; references. Apply, 206/23, Office of this Paper.

QUALIFIED; disengaged; best of experience; Management or Locum. "Felix" (209/4), Office of this Paper.

QUALIFIED; 43; local preferred; full or part time. Barker, Chemist, Woodbrook, Oldham.

QUALIFIED; good Retail and Dispensing experience; 48. 208/26, Office of this Paper.

QUALIFIED; Branch Manager; 28; 5 years' West-End experience; exempt; disengaged middle October; London preferred. 208/20, Office of this Paper.

QUALIFIED; elderly; good experience; fairly easy post; moderate salary; London. 208/13, Office of this Paper.

QUALIFIED, young, ineligible, energetic, highest-class West-End experience, requires responsible position. 210/19, Office of this Paper.

RELIABLE; married; used to good-class Dispensing businesses. "Rhei," 47 Lismore Road, Hampstead.

UNQUALIFIED lady Assistant, 3 years' experience busy Drug Stores, age 27, good health, smart appearance, desires berth on Front Counter, no Dispensing; Southend district or London. Apply, 206/7, Office of this Paper.

UNQUALIFIED; experienced; Manage or assist; excellent references; Locum entertained; disengaged Saturday noon; outdoors preferred. "Drugs," 184 East Surrey Grove, Peckham, S.E.

YOUNG lady (Hall) seeks situation Dispenser; two years' practical work. Apply, Barford, 26 Whitbread Avenue, Bedford.

YOUNG lady Dispenser (Hall qualification) desires first post with Institution or Doctor; London preferred. "B. M.," 43 Commercial Road, Stepney, E.

50s. WEEKLY; age 44; disengaged shortly. Please state class and hours, "Punctuality" (206/20), Office of this Paper.

QUALIFIED Chemist wishing to learn Dental Mechanics; at liberty every morning up to 1 p.m. 207/10, Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

ADVERTISER seeks responsible position London Wholesale House; Minor; 45; extensive experience Manufacture of large quantities of Galenicals, Toilet Specialities, etc. 203/8, Office of this Paper.

ADVERTISER (29), exempt, possessing initiative and energy, exceptional experience, factory and office, and control of female staff, seeks department managerial or responsible position. "Chemicus" (209/1), Office of this Paper

CLEVER Salesman, plenty push and go, well in with good-paying Chemists and Stores; offers invited for whole time or part, expenses; South England preferred and London. 206/25, Office of this Paper.

DO you manufacture quick-selling Lines in Packed Goods? If so, I am your man to dispose of them, having the connection. Good living commission required, ground covered London to Aberdeen. E. Jones, Post Restante, Birmingham.

DUBLIN.—Traveller, disengaged shortly, invites correspondence, Wholesale, Drug, or Allied Proprietary, Toilet, etc.; energy and good connection in return for liberal remuneration. 209/34, Office of this Paper.

LONDON.—Representative; ineligible; disengaged shortly; young; smart appearance; energetic; live connection; Drug or Toilet Proprietary, excellent testimonials. Apply, 210/18, Office of this Paper.

PHARMACIST, experienced Interviewer and Organiser, expert knowledge Advertising, Photography, Packed Goods' trade, seeks post with good Wholesale House or multiple firm as Representative or Departmental Manager. "Resourceful" (208/27), Office of this Paper.

REPRESENTATIVE; good connection London and district; anxious to get in touch with established Tablet, etc., Manufacturers; at present Travelling in Medicinal Capsules. 210/17, Office of this Paper.

TRAVELLER seeks re-engagement with reliable House; twenty years' connection in South of England ground; age 46. "A. B. C." (208/22), Office of this Paper.

TRAVELLER, 21 years' connection, open to consider an offer, or take up good side-line. 207/40, Office of this Paper.

TRAVELLER, age 46, qualified Chemist, requires re-engagement; many years' experience of road and connection; good selling record and first-class references; now disengaged. "Camphor" (207/37), Office of this Paper.

TRAVELLER, calling upon London Wholesale Sundries and Surgical Appliance houses, desires another commission; good-class Sundries of any description; advertiser has open accounts with practically all the leading houses. 210/16, Office of this Paper.

WEST OF ENGLAND.—Gentleman covering this ground desires additional Agency for well-known house; part expenses and commission; references; guarantee. Address, "Bristolian" (208/23), Office of this Paper.

MISCELLANEOUS.

FARINACEOUS Foods.—Wanted to purchase the formula or trading rights of a good Food for Infants and Invalids. Address Box 777, c/o Horncastle's, 60 Cheapside, E.C.

COMPLETE Fittings for large-sized Pharmacy (Second-hand); 16-ft. plate-glass Wall Case, 9-ft. bent front Dispensing Screen, 16-ft. Drug Fitting, 14-ft. Sundries Fitting, 4-ft. "All Glass" Counter, 12-ft. glass-fronted Counter, two 4-ft. Nests Counter Drawers, Perfume Case and Desk, Bent-fronted Silent Salesman, 7-ft. plate-glass Counter Case; £150 the lot; worth £450; would sell separately. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C. Established 90 years.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

CHEMIST'S good second-hand 12-ft. Mahogany Drug Fitting, 6-ft. Mahogany Dispensing Screen and Counter, 4-ft. Mahogany Wall-case, 10-ft. Glass-fronted Counter; Nest of Counter Drawers; Perfumery Case and Desk; 4-ft. Bent Glass Counter Case; the lot £45; bargain; cheapest house for Window Enclosures. Mirrors, Glass Shelves, modern Shop Fronts, Improvements, etc.; plans prepared; estimates free. Mills. Shopfront, Shopfitting, and Glass Facia Works, 163-165 Old Street, London, E.C. 'Phone London Wall 550.

CAMERAS WANTED.

SHOP-SOILED OR SECOND-HAND.

Single models or complete Stocks of CAMERAS and PHOTOGRAPHIC APPARATUS purchased for Cash. Chemists in restricted areas and with large stocks of unsaleable lines should write us. Any quantity considered, from 10/- to £1000. Also Lanterns, Binoculars and Microscopes. Prompt payments. No quibbling.

WATSONS, Photographic Specialists, The Camera House, 84 High Street, SHEFFIELD.

LOST!

Do you know the opportunities that are lost daily by the want of enquiries? Send now, on receipt, 6d. in Stamps, for full set of best got-up specialities ever offered. We only ask the six stamps to pay the cost of postage. We give you the specialities free. We sell to Wholesale buyers only. Terms: Cash with order.

NI-VERRE CHEMICAL COMPANY,
5 to 7 Ormeau Avenue, BELFAST (Ireland).

PHARMACEUTICAL COUNCIL ELECTION : : : IRELAND.

The President of the Dublin Retail Drug Association, Dr. A. J. BARNES, begs to return sincere thanks to those who voted for him and secured his election.

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.
BEST QUININE, TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.
WHITE PHIALS.—½ oz., 1 oz., 1½ oz., 2 oz. Plain or teaspoons.
BLUE LOTION BOTTLES.—½ oz., 1 oz., 1½ oz., 2 oz., 3 oz., 4 oz. 6 oz., 8 oz., 12 oz.
PANEL BOTTLES.
We send six gross assorted or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.
CORKS.
Good quality. No advance in price: 6 and 8oz. bottles, 1/- per gross in 6 gross bags. Vials 9d. per gross in 3 gross bags.

I. ISAACS & CO.,
103 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.
Or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, W.
Orders sent to either establishment have attention.
Established 100 Years

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "The Chemist and Druggist."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,
"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Metol (Hauff), 3 oz. (200/14) Rodagen (207/5)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Acid benzoic, 13 oz. (210/30)
Diuretin (original), 3 × 1 oz. (207-12)
Phenacetin tablets, 7 lb. (210/30)
Piperazine, Schering's original, 2 × 1 oz. (207/12)
Quin. Sulph., 32 oz. (202/16)
Potass. bichrom., 14 lb. (210/30)
Rodagen (original), 1 × 1 oz. (207/12)
Salicine, 4 lb. (210/30)
Sulphonal, 8 oz (206/31)
Sulphonal tablets (gr. v.), 1 doz. × 25's (206/31)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FOR DISPOSAL.

DENTAL.

FOR sale, dental showpieces, celluloid and vulcanite. R. Lamb, 123 West End Lane, London.

750 PHENACETIN and caffein tablets; first reasonable offer. Logsdail, King's Lynn.

ANTIPYRINE tablets, 12 × 100; what offers? Vincent, 460 Holloway Road, London.

PHENACETIN, 1 oz. 6s. 6d.; vermillion gen., 3 lb. 20s.; acid. tart., 2 lb. 6s. Chemist, Deptford Place, Plymouth.

DENTIST'S universal stand, with brackets, Allen table and spittoon 50s., table only 20s.; old bone set of teeth for sale. Dentist, Fernhill, Charmouth.

DENTAL forceps, three sets (12), one in mahogany case 55s., another in leather case 48s., third without case 45s. Dentist, 55 Shaw Street, Liverpool.

DRUGS AND CHEMICALS.

DRUGS: 8 oz. phenazon, 4s. per oz. Ernest J. George, Lloyds Chambers, Walsall.

2 OZ. beta napthol @ 2s. per oz.; 1 oz. bengo napthol @ 3s. 6d. oz.; 2 oz. resorcin @ 8s. 6d. per oz.; 1 oz. camphor monobrom @ 2s. oz.; 1 oz. thymol @ 3s. oz.; 4 lb. mercury @ 5s. lb.; 5 lb. Lin. bellad. meth. @ 8s. 6d. per lb.; 8 oz. morph. hydrochlor. @ 15s. per oz. S. Batchelor, Ltd., 15 West Street, Fareham, Hants.

SHOP FITTINGS.

SHOP fittings: set of Onken window-dressing younits, 105½, 88 younits, weathered oak; £3 3s. or offer. Ernest J. George, Lloyds Chambers, Walsall.

MISCELLANEOUS.

BEESWAX, pure, 56 lb., 1s. 9d., 14 lb. lots carriage paid. Elliott, Chemist, Walsall.

WANTED.

1 GRAIN pill machine. Evans, Chemist, Margate.

SODII cacodylas. State quantity and price, 94/30, Office of this Paper.

WANTED, tooth brushes with coloured handles, Pyeth's beef juice, 2s. 6d. Peerless Erasmic soap, 2s. 9d. Winox, 1-oz. bottles Crosse & Blackwell's or Lazenby's essences, 1s. Eiffel Tower lemonade powder. Send price to Matthews, Medical Hall, Royston, Herts.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

OPTICAL trial case wanted, good condition; also ophthalmoscope and other accessories. Particulars and prices to "St. Leonards," Regent's Park, Shirley, Southampton.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO. LTD., 1 New-street Square, and Published by the Proprietors at 42 Cannon Street, in the City of London.—*October 7, 1916.* [72]

"AQUAPERIA"
(HARROGATE)

The Chemists' Aperient Mineral Water

Supplants Apenta, Hunyadi Janos,
and Enemy Waters of similar character.

Bottled and standardised by CAMWAL LTD. at their Spring,

HARROGATE

Special Allowance for WINDOW DISPLAYS.

Of all Wholesale Houses, and

"CAMWAL" Ltd. **Harrogate, Manchester, Birmingham, Bristol, Mitcham, London, and Depots.**

P. A. T. A.

ZEAL'S REGISTERED

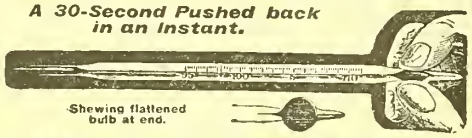
Clinical Thermometer

The "REPELLO"

Requires no shaking down. *Guaranteed Accurate.*

A 30-Second Pushed back in an Instant.

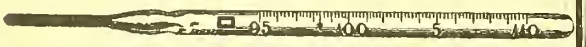
Good Selling Lines for Chemists



NEW IMPROVED LENS FINDER

The only Easy Reading Magnifying Clinical Thermometer on the Market.

IN FOCUS.



OUT OF FOCUS.

The square mark engraved on lens front locates the Mercury Column immediately.

SPECIAL AWARD AND GOLD MEDAL, NEW ZEALAND, 1907.
SILVER MEDAL, INDIA, 1909. SILVER MEDAL, LONDON, 1913.

G. H. ZEAL, 82 Turnmill St., LONDON, E.C.

Wholesale Manufacturer of

CLINICAL THERMOMETERS.

A SELECTION OF 50 KINDS.

Established 1888. LIST POST FREE. Telephone No. 12438 Central.

PERFECT PHOTOGRAPHIC EMULSIONS depend on the purity of their ingredients.

NITRATE SILVER

is the most important of these, and it happens also to be very sensitive to contamination.

A wide margin of safety has therefore always been our principle in manufacturing it. Firstly, throughout the whole of our processes we use exclusively vessels made of Gold and Platinum. Secondly, all our first crystals are twice redissolved and recrystallised. Thirdly, every batch of final crystals is tested before passing into our st ock.

Our guarantee of highest purity is thus assured.

Competitive Quotations on request.

Mark indents "Johnson, Matthey's."

None genuine if not labelled with our name and Trade Mark.

Cables—"Matthey London" (all Codes used).

Telephone—9740 City (6 lines).

JOHNSON MATTHEY & Co. Ltd.

MELTERS & ASSAYERS TO THE BANK OF ENGLAND

74 & 81 HATTON GARDEN · LONDON · E · C ·

TRADE MARK

TOWNSEND'S

COCAINE & OPIUM REGISTER.

Post free, 1/9.

JAMES TOWNSEND & SONS,
Label Printers,
EXETER & LONDON.

Seasonable DISPLAYS

are essential to the chemist and druggist who wishes to "pull" in the business, but present real difficulties to the busy man who has lost part of his staff due to the country's call for men. This is where Haskins' Oak Pedestals and Glass Shelves prove a real boon to the overworked retailer, for with very little trouble he can secure a really novel window and can vary the arrangement from week to week.

Write also for leaflet describing our Interchangeable Sign. Just the thing to give the personal touch to your window. Complete with 260 letters for 30/-

Write to-day for full particulars and our Chemists' leaflet. Sent free on application.

Saml. HASKINS & Bros., Ltd.

SHOPFITTERS :: ESTAB. 1784.
20-34 OLD STREET, LONDON, E.C.

KAY BROTHERS, Ltd.

STOCKPORT.

Manufacturing Chemists.

BIRDLIMES and **FLY GUMS** for all climates.

FLYPAPERS, Non-Poisonous. } "Big Bat" & "Falcon" Brands.

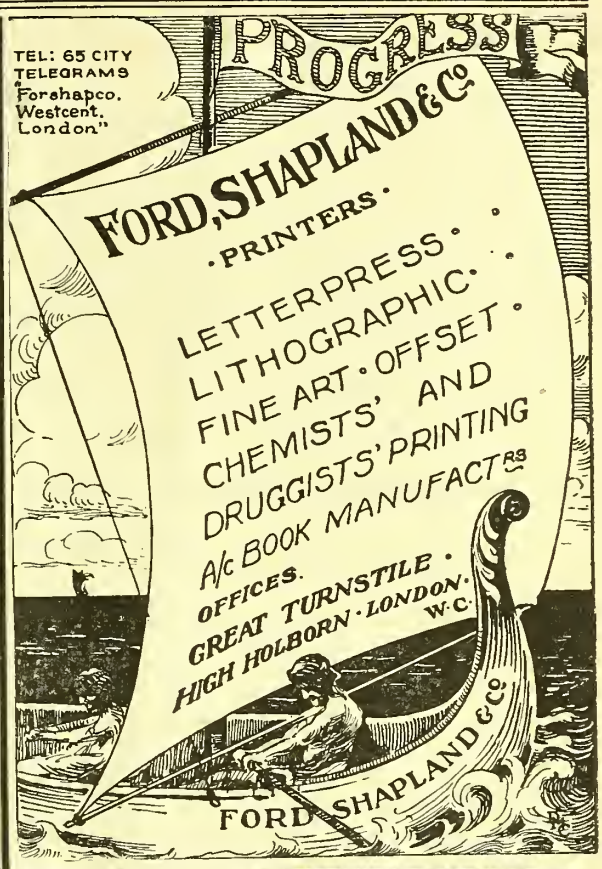
FLYCATCHERS, TAPES & BANDS.
Spiral Wire, "Vampire."
Cavity Tape, "Flysac."
,, ,, "Scorpion."
,, ,, "Dragon."
Roll Band, "Viper."

CEMENTS. "COAGULINE." Transparent Cement for broken articles, 6d. bots.
"TENASITINE." A Liquid Cement in Tubes, 1d., 2d., 3d. & 6d.
"KLINX." Hydraulic Cement (heat-proof), 6d. tins.
"CUE CEMENT." 6d. & 1/-.

SANITARY FLUID. For Disinfecting and Deodorising. In Tins or Casks.

"PULVICIDE" (Patented). A Dustlaying Compound. Agents wanted for its introduction to Municipalities.

"LINSEED COMPOUND." (P.A.T.A.) A Cough Mixture of 50 years' proven excellence.



The Best of all Fly Catchers

TUNBRIDGE & WRIGHT'S

Fly Cemetery

The original and best of all Sticky Fly Papers, **6/-** per gross net, carriage paid. Cash with order.

TUNBRIDGE & WRIGHT'S

Cemetery Fly Tape

Very neat, simple, and efficacious, **7/6** per gross net, carriage paid. Two gross lots and up **7/-** per gross, carriage paid. Cash with order.

TUNBRIDGE & WRIGHT'S

Cemetery Fly Band

The neatest; simplest, and cleanest of all band catchers. Packed in boxes containing three dozen. **3/-** per gross net, carriage paid. Cash with order.

TUNBRIDGE · & · WRIGHT

READING

London Depot—46 *FARRINGDON STREET, E.C.*
N. of England—4 *Gallowgate, NEWCASTLE-ON-TYNE.*
Telegrams: "Flies Reading." Telephone: 496 Reading.

"RODINE" Regd

THE RAPID RAT REMOVER

EXTRACTS FROM

A BIOLOGICAL EXPERT'S TESTIMONY.

No. 1.

What he "heard and saw."

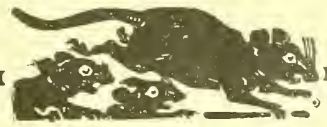
"I feel constrained to let you know what I think of your wonderful 'Rodine.' During a long period now I have urged its use upon the attention of Municipalities, Collieries, and large industrial concerns who regard the presence of rats as constituting a grave disability, and have always heard, and seen in many cases, that 'Rodine' did the work which all other much-advertised poisons and bacterial productions did not."

(*Original testimonial can be seen at works.*)

The Chemist gets nearly 100% Profit.

HARLEY, Manufacturing Chemist, **PERTH, Scotland.**

EXPORT AGENTS:
TOZER, KEMSLEY & FISHER, Ltd.,
84 Fenchurch Street, London, E.C.



By Royal Warrant of Appointment to H.M. The King.

By Royal Warrant of Appointment to H.M. The King.

Only ONE Address.

DAY & SONS, CREWE. LTD. (CREWE)

ESTABLISHED 1840.

HORSE, CATTLE, SHEEP & DOG MEDICINES.

Only ONE Address.

LARGEST SALE IN THE WORLD.

DAYS' BLACK DRINK

Cures Colic or Gripes in Horses or Cattle, Scour and Weakness in all Young Stock, Blown Cattle and Sheep, Debility, Chills, and Low Condition in all Stock.

Price 1/8 per bottle.

DAYS' HUSKOLEIN.

Almost infallible for Tape Worms in Lambs and other Animals; for Husk or Hoose in Calves, Lambs, &c. A speciality for Worms in Horses and Colts.

6/6 per bottle.

DAYS' "ZOMO-SAL."

For Blood Disorders, Humours, General Weakness, Surfeits, Indigestion, Sterility, &c., in Horses and Beasts. Promotes Growth of Bone. Makes animals "fit" for Show or Sale.

In Canisters at 7/6, 20/-, and 40/-

DAYS' RED DRINK

R OR COW DRENCH.

For Costiveness, Loss of Cud, Indigestion, Garget, Colds, Fever, Hidebound, &c., in Cattle. Prepares Cows for Calving, Prevents Milk Fever, and cures Bad Cleansing.

12/- per doz. packets.

The Ewe Drench for Ewes, 3/6 per doz.

DAYS' OILS

(THE PURIFIED DRIFFIELD OILS)

Heal all Wounds in Horses, Cattle, and Sheep, Sore Teats and Swollen Udders in Cows and Ewes. For Anointing in difficult Lambing or Calving.

2/6 and 6/- per bottle.

DAYS' WHITE OILS.

A Safe Embrocation for Sprains, Swellings, Windgalls, Sprung Sinews, Rheumatism, Sore Throat, Weak Joints, &c.

2/6 and 6/- per bottle.

DAY & SONS' "ORIGINAL" MEDICINE CHESTS

Price £1 4s., £2 4s., £5, and £10 10s.; Carriage Paid.

Arranged for Horses, Cattle and Sheep; Horses only; or to suit any class of stock.

When Ordering Please State Requirements.

The Chest Illustrated is similar to that at £5 and £2 4s.

Great Specialities.

ONLY GENUINE FROM

DAY & SONS, CREWE, LTD.,

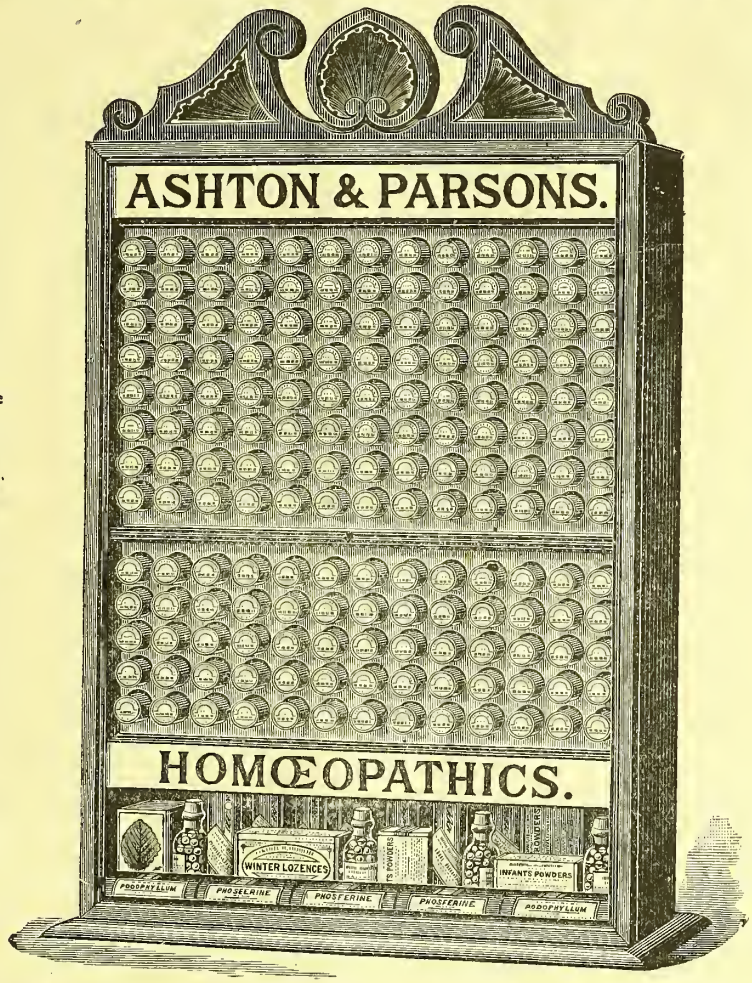
CREWE, ENGLAND.

LIBERAL TERMS FOR FOREIGN BUYERS.

ASHTON & PARSONS'

HOMŒOPATHIC SHOWCASE

18/-



18/-

THE "A. & P." SHOWCASE

PRICE - - 18/-

ASHTON & PARSONS supply their Showcases at actual cost price No need to purchase a large quantity of unsaleable stock to obtain a so-called "free" Showcase.

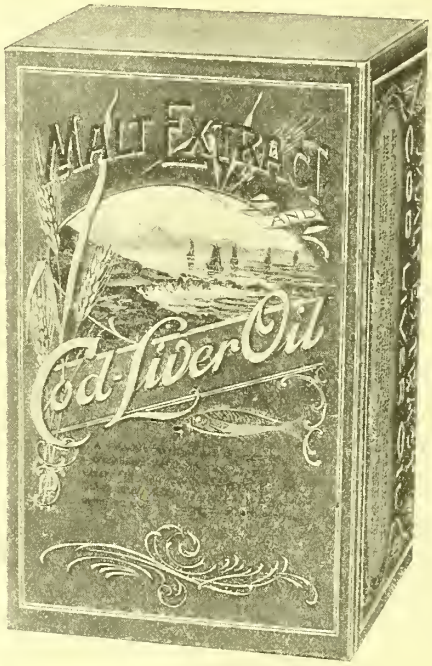
WRITE FOR ILLUSTRATED LIST, POST FREE.

ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.

The best package of

Extract of Malt *or* Extract of Malt

PLAIN



with

Cod Liver Oil

The Extract is prepared from the finest Malted Barley, whilst, by a special process of flavouring, the taste of the Oil in the combination product is effectively masked.

Issued in four sizes—
½ lb., 1 lb., 2 lb., and 4 lb.

FOR PRICES SEE OUR MONTHLY LISTS
— SPECIAL PRICES FOR QUANTITY. —

EVANS SONS LESCHER & WEBB
LIMITED

London and Liverpool

POTTER'S ASTHMA CURE
For The Relief of Asthma Hay Fever Bronchitis & Diseases of the Respiratory Apparatus
PRICE ONE SHILLING

1/- TINS (P.A.T.A. 1/-)

9/6 DOZ. NET.

POTTER'S Asthma Cure

ADVERTISED EVERYWHERE

GIVES INSTANT RELIEF

POTTER'S ASTHMA SMOKING MIXTURE.
Composed entirely of Herbs carefully compounded and prepared ready for smoking either mixed with ordinary Tobacco or by itself. It may also be used in Cigarette form
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